Middlebury College 1970-71

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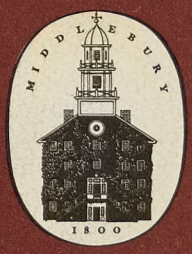

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Summer Schools (Graduate)	
Bread Loaf School of English, Munroe Hall	
Bread Loaf Writers' Conference, Munroe Hall	
Foreign Language Schools, Sunderland Language Center	

The Director of Admissions will process requests for catalogues received from prospective students and secondary schools. Colleges, universities, libraries, and others, should send requests for undergraduate catalogues to the Secretary of the College. The Director of the Language Schools will furnish information and bulletins pertaining to Middlebury's summer program and the College's Graduate Schools Abroad.

MIDDLEBURY COLLEGE BULLETIN

CATALOGUE NUMBER 1970–1971

ONE HUNDRED AND SEVENTY-FIRST YEAR

June 1970

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The College

THE HISTORY OF MIDDLEBURY COLLEGE

Middlebury College was an indigenous product of 19th century democracy, financed from the thin purses of local citizens, and expressive of multiform culture brought from southern New England.

A miller, two lawyers, a doctor, and a President of Yale University conceived the first plan for Middlebury College in the night of September 30, 1798. The miller was Gamaliel Painter, whose name the oldest college building in Vermont still bears; the lawyers, Seth Storrs, donor of the campus of the men's college, and Samuel Miller, who entertained the group at this original meeting; the doctor, Darius Matthews, a probate judge as well as physician; and the Yale President, the great Timothy Dwight.

Some thirty log cabins and frame houses, surrounded by wilderness, comprised the settlement at Middlebury in 1798. No road had yet been built to the pioneer village. The State of Vermont as a part of the Union was only seven years old and its Legislature still roved from town to town for its annual meeting. Grist and saw mills, a few shops for mechanics and blacksmiths, a rough inn and a brewery offered the principal commercial accent to the village. Not even a church had been constructed. Still the establishment of a college as well as a grammar school seemed imperative to these immigrants from Connecticut.

President Dwight, in his visit of a single night, helped to outline a plan for procedure, but it took two years to persuade the Legislature that the request for founding a college in this wilderness should be honored. A charter was finally granted on November 1, 1800, and Jeremiah Atwater, a Yale graduate, appointed President; seven students were admitted the following day and Middlebury was under way, lodged in a building just completed for the Addison County Grammar School. President Atwater and one tutor comprised the entire administrative and teaching staff. Under them the first student was graduated in August, 1802.

Greek and Latin were the core of the curriculum in those early years. Mathematics—ranging from "vulgar arithmetic" to trigonometry—history, geography, natural philosophy, astronomy, rhetoric, law, logic, metaphysics, and ethics rounded out a four-year program, with vocational purpose noted in such courses as navigation and surveying. A disciplinary system, based on the temper of the law of Moses and the text of Yale College rules and regulations, kept a student's nose to the academic grindstone. As occasion for new rules of conduct arose, they were properly phrased, and appropriate fines attached. Students were their own janitors, laid their own hearth fires, lugged their water from outdoor cisterns, often cooked their own meals. Daily chapel prayers before dawn began the day and a daily chapel service at dusk ended it.

It was distinctly a man's college. Women were not even admitted inside

the rail fence which surrounded the campus protectively. Yet the village of Middlebury did not neglect the education of women. Within three years after the men's college was started, a "Female Academy," one of the first in America, was established here; and it was in Middlebury that Emma Hart Willard opened her first school for girls in a building now owned by the College, and wrote what has been called the *Magna Carta* for higher education of women. Although the College did not become co-educational for over eighty years after it was founded, the tradition for women's education was strongly fixed at an early date. In spite of repeated earlier appeals, women were not admitted until 1883, after the alumni had petitioned for the change. Joseph Battell gave the College the land for the women's campus in 1909.

The Middlebury College Summer Language Schools of English, French, German, Italian, Russian, and Spanish, which began with a German session in 1915, have achieved international reputation. In 1966, Chinese was added, in 1970, Japanese. The foreign language schools were pioneers in the development of specialized summer schools for the study of modern languages under a faculty of native instructors. The Bread Loaf School of English and the Bread Loaf Writers' Conference have served as models for similar undertakings in various parts of the country. In 1949, the Graduate School of French in France was inaugurated, followed by the Graduate Schools of Spanish in Spain, German in Germany and Italian in Italy.

EDUCATIONAL PURPOSE

Middlebury College believes in the importance of the liberal arts and the liberal sciences. It believes that the central purpose of undergraduate education is the development of the human mind as broadly and as deeply as possible. The most compelling argument for the liberal arts is that besides providing the pleasure of doing something well, they enlarge the intellect and interests and bring an awareness of the concerns and problems of the rest of the community, laying upon men a mandate of reason toward restraint as well as toward freedom. The intrinsic values of liberal study are finally the most important and practical of all; when they appear, they illuminate the possibilities of what it can mean to be an intelligent and responsible human being. At Middlebury College the creative and performing arts are strongly supported. The cultivation of human sensibility through active involvement in the Arts is one of the fundamental goals of education in the Humanities.

Middlebury College aims to prepare its students through study of the humanities and languages, and through the disciplines of the social and natural sciences, to respond intelligently to an ever-changing social, political, and scientific world. In this liberal environment the student comes to an awareness of his cultural heritage, the relation of his special field to his heritage, an understanding of the physical world in which he lives, and an ability to think analytically and critically.

Middlebury College hopes to unlock the capacities and powers of its students in rational thinking, curiosity, imagination, and sensitivity, and to direct these human energies not only toward education as a continuing

process of self-education, but also toward social responsibility and leadership. This concept rests firmly on the base of an identifiable liberal tradition, a rational philosophy, and a belief that has been cherished and cultivated for 170 years at Middlebury.

LOCATION

Middlebury College is located on a broad hill overlooking a typical Vermont village and a wide sweep of Champlain Valley, with the Green Mountains visible to the east and the Adirondacks to the west. Most of the college buildings are constructed of grey limestone or white marble, their colonial architecture consistent with the mountain setting of the extensive campus.

The campus includes about 250 acres for buildings, athletic grounds, and Otter Creek shoreline, and a mountain campus ten miles to the east. The United States Government maintains an adjacent area, formerly owned by the College, as part of the Green Mountain National Forest. Both tracts are used by students for outings and winter sports.

Middlebury lies halfway between Burlington and Rutland, Vermont. Students not arriving by automobile should come via the New York Central to Albany, N.Y., and make bus connections on the Vermont Transit Lines to Middlebury. There is bus service from Montreal, Boston, and New York City on the Greyhound and Vermont Transit Lines. There is also scheduled airline service to Burlington from Boston, New York and Albany via Mohawk Airlines. Information about the local Middlebury Airport is available in the *Airmen's Guide*. There is no railroad passenger service direct to Middlebury. Baggage can be sent by railway express.

Admissions

THERE IS NO FIXED PROGRAM of secondary school studies required for admission to Middlebury College. The discipline and the knowledge gained from the study of English, foreign languages, mathematics, science, and history are essential to success in college work. Distinctive achievement in secondary school studies, the promise of superior college performance, and a commitment to intellectual pursuits are necessary. Candidates are urged, moreover, to read widely beyond the requirements of classroom preparation and to attain a high level of accuracy and effectiveness in written expression.

The secondary school program is the responsibility of each candidate in consultation with his school counselors. The program and record of each applicant will be assessed individually. A recommended secondary school program would include four years of English; four years of one foreign language (in preference to two years each of two languages); three or four years of mathematics; two or more laboratory sciences; two or more years of history; and some study of music, art, or drama. However, many candidates whose programs of study differ from that outlined above are admitted each year: the quality of an applicant's secondary school achievement, especially in the two final years, is the factor of primary importance.

Advanced Placement. Students taking college level courses in secondary school may be considered for advanced standing in one or more courses at Middlebury. The candidate must take the appropriate Advanced Placement Test administered by the College Board to be eligible for Advanced Standing with credit. Candidates awarded credit for three Advanced Placement courses may apply for sophomore standing.

College Board Examinations. All candidates for admission are required to take the Scholastic Aptitude Test of the College Entrance Examination Board and three Achievement Tests, including the one in English Composition. A student unable to obtain the application forms from a secondary school should write directly to the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey 08540, requesting the Bulletin of Information and directions for filing the application. Candidates must take the College Board Tests no later than January of the senior year.

Health Certificate. A satisfactory certificate of health must be presented before matriculation. Successful candidates are required to fill out medical blanks which are supplied by the College.

PROCEDURE FOR ADMISSION

Inquiries regarding admission should be addressed to the Director of Admissions. Application forms will be furnished on request. Application papers must be accompanied by an application fee of $15. This fee is not

refundable and will not be applied to term bills. The right is reserved to close the application list to candidates on January 15. All applicants will be notified of the action on their applications by April 20.

A personal interview is a desirable part of the admissions procedure at Middlebury. A visit to the College for this purpose may be made between mid-May of the junior year in secondary school and the middle of the senior year. No interviews are scheduled during February, March, April or early May.

Early Decision Plan. Candidates who definitely plan to attend Middlebury may request an Early Decision. However, only candidates with outstanding qualifications should apply, and they must agree to withdraw their other college applications if their application for admission to Middlebury is approved. Requests for Early Decision must be received by November 1st of the year prior to the year in which admission is desired. Early Decisions will be announced about December 1st. A non-refundable deposit of $200 applicable to term bills must be forwarded by successful candidates before February 15. Unsuccessful candidates for Early Decision will be reconsidered with the regular applicant group.

TRANSFERS

A limited number of students can be accepted into the sophomore and junior classes by transfer from other colleges and universities. All such students must come from approved institutions of collegiate rank. Candidates for admission with advanced standing should write to the Director of Admissions for detailed information and application forms.

Expenses and Financial Assistance

EXPENSES

No precise statement can be made regarding the cost of a year at Middlebury. The location of the College in a frugal Vermont countryside and the absence of metropolitan attractions permit a student to live economically. The College offers a limited amount of financial aid to deserving students. The Director of Financial Aid endeavors to assist undergraduates in finding remunerative work both on the campus and in town.

A fairly accurate estimate of a year's expenses may be made from the following list of standard charges:

Comprehensive Fee	$3,750.00
Student Activities Fee	24.00
Sickness Insurance	22.00

The Comprehensive Fee includes tuition, room, board, health services, and certain fees in respect to special obligations of the College. Credits for students not residing or taking their meals in college facilities will be $500 and $650 respectively. Travel, textbooks, clothing, social dues and assessments must also be considered in estimating a year's expenses.

The Comprehensive Fee for the year is billed in two installments, the first due September 1, and the second January 30. The applicable portion of matriculation and re-enrollment deposits, financial aid grants, and of any payments received in advance from such sources as Insured Tuition Payment Plan will appear as credits on term bills; as will the aforementioned credits for those not residing or taking their meals in College facilities. Student loans will be credited only when executed and returned to the Comptroller. Failure to make payment when due automatically cancels the privilege of attending classes.

A charge of $300.00 is assessed for each regular course or its equivalent (e.g. independent study) in excess of four during the Fall or Spring terms. No charge will be made, however, for the basic R.O.T.C. course. For students enrolled in Music MU 209, 210 and/or MU 309, doing work in practical or applied music, the established fee for private instruction is assessed.

For graduate students, tuition is charged at the single course rate given above.

The Comprehensive Fee includes a provision for the fixed expenses of the Student Societies. (Any costs connected with social programs which the several Student Societies undertake on their own initiative will be assessed by the membership of each society in whatever manner it may determine.) For Federal Income Tax purposes $43 may be included as medical expense when deductions are itemized. This portion of the Com-

prehensive Fee provides for various health services (see page 37) including enrollment in a one-year accident insurance plan. The Comprehensive Fee also includes the $42 Student Center Fee.

Each matriculating student is issued an identification card intended to serve for his entire undergraduate course. When, on authorization of the Dean of the College, a lost identification card is replaced, a charge of $5 is made.

A rebate of $10 per week may be allowed for absence from dining halls for two consecutive weeks or longer.

No refund of fees is made in the case of dismissal. Refunds may be made for entry into the Armed Forces through Selective Service, but in other cases of absence or withdrawal, refunds may be considered only under exceptional circumstances.

A fee of $100 is charged students who repeat the General Examination or who resubmit their thesis and who are not regularly enrolled in college.

Entering students pay $100 when notifying the Admissions Department of their intent to matriculate. This deposit will be applied to the charges of the first term and is not refundable. Returning students pay a re-enrollment deposit of $100 in the Spring to be applied to the charges of the succeeding term and to be forfeited if the student fails by August 1 of any year to notify the Dean of his intention not to return for the succeeding term.

Students may not take examinations, receive grades, nor expect honorable dismissal until all financial accounts are settled.

The right is reserved to change quoted charges if necessary. The College assumes no responsibility for loss of student property through fire, theft, or disappearance.

The Registrar issues a transcript of record on request to students wishing to transfer or to secure a statement of their course credits for any other purpose. One copy of the college record is furnished free. A fee of one dollar is charged for a duplicate of the transcript. To students who are financially indebted to the College, or to those who have not surrendered Identification Cards on leaving college, no transcript will be issued until satisfactory arrangements have been made at the Comptroller's office. No fee is charged for transcripts submitted to any branch of the armed service.

FINANCIAL AID

The goal of the Financial Aid Program at Middlebury College is to help those students with a demonstrated need who would otherwise not be able to attend college.

Subject to continuing eligibility, Financial Aid, normally including a provision for a student loan plus a grant and/or job (jobs are not usually assigned to Freshmen), is awarded for one academic year at a time.

Students should not apply for any specific grant (scholarship) as appropriate assignment will be made by the College. The Financial Aid Committee reviews the records of all students receiving financial aid who have been placed on academic probation in order to determine whether

their grant should be continued. A grant can also be withdrawn for misconduct.

Middlebury College is a member of the College Scholarship Service, an activity of the College Entrance Examination Board at Princeton, New Jersey. Financial Aid awards are based on analysis by the College Scholarship Service (CSS) of the Parents' Confidential Statement (PCS) and on the College's review of the CSS determination of need. Middlebury College requires no financial aid form other than the PCS. Parents of applicants for admission who require financial aid should submit the Confidential Statement directly to the College Scholarship Service before January 15th of the entering year. The form may be obtained from the secondary school counselor. Early Decision candidates must file the PCS before October 1 of their senior year in secondary school. Renewal forms of the PCS must be filed annually by February 15 with the College Scholarship Service.

Middlebury participates in the National Defense Student Loan, College Work-Study and Educational Opportunity Grants Programs. Awarding of loans, jobs and grants under these Federally-sponsored programs is handled by the College Financial Aid Office. The College also certifies applications for the various State Guaranteed Insured Loan Programs, and in special cases will also certify applications for loans from the United Student Aid Funds Program.

As far as possible, the financial aid to upperclassmen will include the offer of campus employment. Students can expect to be assigned jobs as waiters or waitresses, research or library assistants, clerk-typists, residence hall and student union desk clerks, etc. A few well-qualified students can find summer employment, both on and off-campus, under the Federal College Work-Study Program which also assists in financing many of the student jobs listed above. Laundry, newspaper, magazine, travel, etc., concessions are also student-operated. The better-paying campus jobs are incorporated into the Financial Aid Program, but there are a number of lower-paying jobs that an interested student can apply for on his own initiative.

It is assumed that all Financial Aid recipients will make a contribution from summer earnings towards their College budget. The *net* summer earnings expectancies, from pre-Freshman year through pre-Senior year, range from $300 up to $500 for women and $400 up to $600 for men.

Correspondence concerning financial aid to applicants for admission should be addressed to the Director of Admissions. Similar inquiries by upper-class students should be made at the Office of Financial Aid.

Curriculum

MIDDLEBURY COLLEGE confers one undergraduate degree, Bachelor of Arts. It also confers the graduate degrees, Master of Arts, Master of Letters, Master of Science, and Doctor of Modern Languages.

UNDERGRADUATE WORK

The purpose of the liberal arts curriculum is to give every student a detailed knowledge of the work covered in at least one subject, and to correlate it with a broad understanding of the liberal arts and the liberal sciences. To achieve the scholarship which this objective implies, students work intensively in one or more departments and complete requirements and electives in fields outside of their specialization.

The extent of a student's academic work at Middlebury College is reckoned in courses successfully completed.

The normal program of study is four courses in the Fall and Spring Term. In the Winter Term, students select one course for concentrated study. Physical Education and R.O.T.C. courses are carried as electives without credit as a course unit. No extra charge is made for the R.O.T.C. or Physical Education programs. Only students who have demonstrated superior ability in their academic work are permitted to take more than four courses in a term. Independent study in the Senior year may count for as many as three course units as the department determines. The course units may be distributed between Fall, Winter and Spring terms.

FRESHMAN PROGRAM

Prior to matriculation each freshman is furnished with complete course descriptions and registration cards on which he designates his selection of courses for the first term. During Freshman Week he meets with his registration counselor who gives further assistance in planning a course of study.

Every freshman is required to enroll in English Literature (ED 101) either in the Fall or Spring term. Physical Education must also be taken by all Freshmen. To complete his academic program, each freshman elects three other courses from those open to freshmen. These courses may either offer a varied intellectual experience or prepare him, at least in part, for advanced work in a special field of knowledge.

The courses open to freshmen, most of which also serve partially to fulfill degree requirements (see below) are offered in all departments. In general, only those courses numbered from 100 through 190 are open to freshmen. Freshmen enrolled in a course within a department, however, may be assigned to a more advanced course by that department upon demonstration of special proficiency. Freshmen who have taken a modern language in high

school and have acquired satisfactory preparation may continue the subject in intermediate courses. Freshmen, qualified by previous work and interest in a field, may elect courses above the freshman level on recommendation of the department concerned, the Dean of Students and the Director of Admissions. It is advisable that students complete their science requirement during the first or second year.

During the freshman year students should consult frequently with their faculty advisers. Freshmen are encouraged to talk with their advisers about any aspect of their academic experience. The adviser will assist in the choice of a field of major concentration which is made toward the end of the spring term.

WINTER TERM

During the month of January, the student is given the opportunity through the Winter Program to acquaint himself, through intensive study, with an aspect of a discipline which is not normally the topic of the Fall and Spring terms. Winter programs are offered on a departmental and inter-departmental basis and are structured on three levels: courses without pre-requisites (open to non-majors), courses with pre-requisites and courses which are part of the departmental major. All courses contain independent study as a component. Each Fall the Curriculum Committee of the faculty publishes a Winter Term catalogue. A student may not take his freshman and sophomore courses within the same department. A department may not require more than two Winter courses as part of its major program. All Winter courses are graded on an Honors, Pass, Fail basis.

All students involved in foreign language courses numbered 101 (151) and 102(152) may be required to participate in a continuing program during the Winter term. Programs intended to fulfill the Physical Education requirement also continue through the Winter term.

Internship: students may elect to spend one of their four winter terms in an internship program involving work in either service or professional areas. Students have worked in inner-city schools, NBC television, as assistant to a city-manager in the Cologne area of Germany, and in a clinic for autistic children in London. The internship program is ungraded; students either receive credit or are denied credit on the basis of the report submitted by the on-site and on-campus supervisor.

MAJOR CONCENTRATION

In registering for his major program the student normally consults the chairman of his chosen department. The chairman appoints a departmental adviser who recommends a pattern of courses for the student's subsequent years.

Departmental major requirements differ, but they all include courses so chosen from the student's department and other departments that they form

an integrated and coherent whole and a logical pattern leading to a deepening intellectual experience. In addition to the specific courses required for a particular major, cognate courses may be recommended to further the student's particular academic interests or intentions. Departments offer different programs of Senior Work adjusted both to the nature of the field and the needs of the student. Basically, a department may offer as many as three units of Senior Work outside the regular course pattern. This Senior work may consist of Independent Study (700 Course) and/or General Examination (705 Course unit), Senior Seminar (704) or Senior Course (710). Students should consult the descriptions of the Senior Work for each department for details. The Senior Work courses may be distributed over the Fall, Winter and Spring Terms.

Should a student not be satisfied with his first choice of major he may, before the beginning of his third year, change to another major. Prior to the change, however, he should obtain assurance from the department to which the change is contemplated that he will be able to meet its major requirements. After the beginning of the third year a student may change his major only for exceptional reasons and with the consent of the Dean of Students. (See the Departmental Program below.)

Where a joint major involving two or more departments is desirable a single General Examination may be required. Details should be worked out with the department chairmen involved.

DEPARTMENTAL HONORS PROGRAM

Students may be nominated on the basis of their record as Honors Candidates in their major department at the end of their Junior year or in their Senior year up to the beginning of the Spring Term. Honors work normally involves a special project. (If course units are allocated for Honor's Research the student registers for an appropriate number of 500 courses.) Such projects culminate in the presentation of the work in the special project before a board of examiners drawn from the department in which the work is undertaken and one member from outside the department. This examination is held prior to the General Examination period in May.

Departments award Honors, High Honors and Highest Honors in the particular field on the basis of a composite grade for all work in the major.

These Honors are printed on the Commencement program and in the next annual Catalogue, and will be certified to, when requested, by a written certificate from the Registrar and the chairman of the department, stating the nature and quality of the work done.

THE DEPARTMENTAL PROGRAM

Some departments offer a program of study that measures a student's achievement at two levels.

The Qualifying Level. A student must be able to use the methods and

language of the discipline, and he must demonstrate a command and a comprehension of a part of the subject matter of the discipline. A student whose development and achievement follow average patterns should be able to qualify in several subjects by the end of his second year.

The Comprehensive Level. A student must demonstrate his general comprehension of the discipline after he has done advanced work under the direction of the department. The average student will be able to complete a department's major program two years after he has qualified for advanced work in that department.

A department adopting this Program will so announce to its majors.

PROGRAM OF DEPARTMENT SCHOLARS

In order to encourage superior students and to free them for more rapid progress and more individual work in a course, the following program of Department Scholars is established:

If a student thinks he can effectively do the work of a course independently of the class meetings, the student may apply to the instructor of the course, at any time before the end of the third week of classes, to be designated a *Department Scholar in the Course* with the following privileges:

I. (a) Be excused from all requirements of attendance in class, except that attendance may be continued if the student desires.
   (b) Be excused from all quizzes and examinations except the final examination.
   (c) Be excused, as the instructor shall determine, from any written work, laboratory work, or deadline for written reports, except that all work from which he is not excused shall be submitted at least one week prior to the end of classes.

II. The following conditions must have been satisfied:
   (a) The student must have completed at least one term's work in the department.
   (b) A freshman shall have an average of at least 90 in all work already taken in the department; a sophomore, an average of at least 89; a junior an average of at least 88; and a senior an average of at least 87.

The application of the student shall include a list of the courses taken in the department, with the instructors and the grades obtained, and a short statement as to the student's reasons for wishing to be a Department Scholar. If the instructor and the department chairman, after consultation with the other instructors in the department whom the student has had, believe that the student can profitably accomplish the work of the course under these privileges, they shall designate the student a *Department Scholar in the Course.* The course grade shall then be determined on the basis of the required written work submitted during the term (not in excess of that required of the regular

members of the course) and of performance on the final examination. The student shall be informed of the relative weights of these two factors when the designation of Department Scholar is obtained. Moreover, the designation shall be included with the Registrar's record of the grade in the course, and the Dean of Students shall be informed when a student becomes a Departmental Scholar.

DEGREE REQUIREMENTS

In addition to the freshman and major requirements, certain distribution requirements must be met before the Middlebury College degree is awarded.

1. To be eligible for a degree a student must successfully complete 32 Fall and Spring term courses or their equivalent and 4 Winter courses. No more than 14 Fall and Spring courses may be in the same department. Not more than 6 courses with a D grade may be applied to the degree requirement.

2. Freshmen may not elect more than one course in a subject in a term.

3. The last academic year of undergraduate work must be spent in residence in Middlebury, except as provided in the Technical, Medical, and Dental School Plans.

4. Before graduation every student must meet, in addition to freshman requirements, the following Group Requirements:

GROUP A—Two term courses of a literary and humanistic rather than a technical character. The courses that meet this requirement are found in the listings of the departments of American Literature; English and Drama; Fine Arts; Music; Philosophy; Religion. (Check the course description for courses which do *not* fulfil this requirement.) Some courses in Classics, French, German, Russian, Spanish and Italian fulfil Group A. (Course description will indicate when courses in these areas fulfil Group A.)

GROUP B—Two term courses chosen from the social and behavioral sciences. Any course given by the departments of Economics, History, Political Science, Psychology, or Sociology may be used to fulfill this requirement, as may Geography 101 and 102.

GROUP C—Two term laboratory courses chosen from among the natural sciences and in one of the following departments: Biology, Chemistry, Geology, or Physics.

GROUP D—A fourth term course (202), or its equivalent, or a more advanced course, chosen from among the ancient or modern foreign languages. The equivalent is defined as an examination on the Qualifying Level (see p. 15) to be given by each department during the first week of the Fall term.

5. All students are required to complete two years of Physical Education. This requirement should be completed by the end of sophomore year. Beginning with the class of 1973, students who fail to complete the Physical Education requirement in their first two years will be charged a stated fee for elementary Physical Education courses. Exemptions only on recommendation of the Dean of Students or College Physician.

TRANSITIONAL REGULATIONS FOR 4–1–4 CURRICULUM

Adaptation to the 4–1–4 Curriculum in the Fall of 1968 required a series of transitional requirements for the classes previously enrolled under the two semester plan.

Graduation Requirement: Students who entered Middlebury prior to September 1968 may complete graduation requirements as follows:

Credits (as of Sept. 16, 1968)	*Terms to be completed*	
	Fall or Spring	Winter
105	1	0
101	1	1
86	2	1
75	3	1
71	3	2
56	4	2
45	5	2
41	5	3
26	6	3
15	7	3
11	7	4

D Credits: Students who entered Middlebury prior to September 1968 will be permitted to credit D's to their record as follows:

D credits for courses started prior to September 16, 1968	D credits for courses started on or after Sept. 16, 1968
22 or more D credits	0D's
18 to 21 D credits	1D
14 to 17 D credits	2D's
10 to 13 D credits	3D's
6 to 9 D credits	4D's
2 to 5 D credits	5D's
0 to 1 D credits	6D's

Transfer of credits: Ordinarily a regular semester course at another institution will be considered the equivalent of a course at Middlebury "Regular semester course" may be defined as any of the following: 3 or 4 credits, 3 or 4 hours per week per semester, 39 or more 50 minute periods or their equivalent. The Dean of the College has discretion to decide on courses which do not specifically meet the criteria outlined.

Students who leave without completing the graduation requirement may transfer up to 10 credits or

7 credits plus one course, or

4 credits plus 2 courses, or

3 courses in order to complete the graduation requirement.

HONOR CODE

Before enrolling at Middlebury College each student must agree to abide by and uphold the Honor System. This agreement is a condition of matriculation. Under the Honor System all quizzes, pre-announced tests, and final examinations are un-proctored and at the conclusion of the examination the student writes and signs on the examination booklet the following statement:

"I have neither given nor received aid on this examination."

All violations of the Honor Code come under the jurisdiction of the Honor Board which is totally student managed. Anyone who observes an infraction should report the offense to the Honor Board. Any infraction of the Honor System is punishable by dismissal from College.

SCHOLARSHIP

When a student enters Middlebury College, he becomes a member of an academic community that makes its demands and measures its achievements not so much in terms of time as in terms of the task accomplished. Though he is required to register for a certain number of units each term, his commitment to his own education will undoubtedly involve many more hours a week in reading, in laboratory work, and in preparation for his classes than he will spend attending classes.

Scholarship is graded on the scale of 100. Grades are interpreted as follows:

A 90 to 100 Excellent
B 80 to 89 Good
C 70 to 79 Fair
D 60 to 69 Passing
F Below 60 Failure

ACADEMIC HONORS

The College recognizes superior academic achievement in the following ways:

Dean's List. Students who attain an average of 85 or better in their courses at the end of a Fall or Spring term, and who have no grade below 80 are placed on the Dean's List. For students on the Dean's List attendance at classes is at their discretion as long as the quality of their work is maintained.

Phi Beta Kappa. The Middlebury Chapter of Phi Beta Kappa Society is the Beta of Vermont, established in 1868. Students are elected to Phi Beta Kappa by the faculty members of the chapter on the basis of outstanding academic achievement in all fields of their endeavor. Special consideration is given to the attainment of Honors or High Honors in the major department. Students are eligible for election at the beginning of their senior year on the basis of three years' work at Middlebury, or at the end of their senior year on

the basis of four years' work at Middlebury. Students graduating from Middlebury who have transferred from other colleges may be elected on the basis of at least two years at Middlebury.

Departmental Honors Program. Departmental Honors are awarded upon graduation in recognition of superior performance in the student's major field. See page 15 for description of this program.

Commencement Honors. Commencement honors are awarded for high scholastic rank. The degree of A.B. is conferred *cum laude* upon those who have attained an average rank for their entire work at Middlebury of 85 to 88.99; *magna cum laude* if that rank is 89 to 90.99; *summa cum laude* if it is 91 or above.

Honorary Appointments. The faculty makes honorary Commencement appointments: to the senior attaining highest rank, the appointment of Valedictorian; to the second in rank, the appointment of Salutatorian.

Transfer students are not eligible for these appointments.

Prizes, Scholarships, Fellowships. A number of awards providing honorary or financial recognition of academic achievement have been established. Some of these awards are granted during the student's undergraduate career. Others provide assistance for graduate work. A complete listing of these awards is found on pages 125–134.

Special Instructional Programs

SPECIAL PROGRAMS

Combined Professional School Plans. Students normally spend four years at Middlebury before going on to graduate school or to professional schools. However, a student preparing for engineering, architecture, medicine, or dentistry who wishes to limit his education at Middlebury to three years may, under the conditions specified below, transfer at the end of his junior year at Middlebury to an accredited professional school which requires a minimum of two more years of study for engineering, two or three years for architecture, and four years for medicine or dentistry. He may, upon receipt of the professional degree, become eligible, by vote of the Middlebury faculty, for a Middlebury A.B. degree.

For pre-engineering students Middlebury has formal agreements with Columbia University School of Engineering and the University of Rochester which ensure admission to these schools on a combined five-year course of study. Students wishing to take advantage of these agreements must fulfill the requirements stated below and in addition secure the recommendation of the Pre-Professional Committee. Early consultation with the chairman of the committee is essential in planning a student's program. Any freshman even tentatively committed to pre-professional studies should consult Professor Edwin Pool, Chairman, during the Fall term.

Students who participate in one of the combined professional school plans and so become eligible for the Middlebury A.B. are required to meet all the conditions stated in (1) and in (2a) or (2b) or (2c) below.

(1) 24 Fall and Spring term courses and 3 Winter courses must be completed at Middlebury College; a combined average of 75 or better must be achieved in the specified courses (exclusive of the electives) in (2a), (2b), or (2c) below; the freshman and Group A, B, C, and D requirements must be completed; and the student must rank in the upper half of his class during his fifth and sixth semesters.

(2a) Pre-engineering, pre-architectural engineering prescribed courses:
1st year: Chemistry: CH 101, CH 111; Mathematics: MA 112, MA 113.
2nd year: Mathematics: MA 201, MA 202; Physics: PH 109, PH 110; Economics: EC 101, EC 102.
3rd year: Mathematics elective, 300 or above; Physics: PH 301, PH 303, and PH 304; elective from Group A or Group B, 200 course level or above.

(2b) Pre-architecture prescribed courses:
1st year: Chemistry: CH 101, and a second semester of Chemistry; Mathematics: MA 112, MA 113; Fine Arts: FA 101.

2nd year: Mathematics: MA 201, MA 202; Physics: PH 109, PH 110; Fine Arts: FA 103, FA 104.
3rd year: Economics: EC 101, EC 102; one elective in Mathematics or Physics, 300 level or above; one elective in Fine Arts; one elective in Sociology.

(2c) Pre-medical and pre-dentistry prescribed courses:
1st year: Chemistry: CH 101; Biology: BI 101; Mathematics: MA 112, MA 113.
2nd year: Biology: BI 202, and BI 208 or BI 314; Chemistry: CH 241, CH 242.
3rd year: Chemistry: CH 111, CH 351; Physics: PH 109, PH 110; one elective in Economics, History, or Psychology.

Pre-Medical or Pre-Dental Programs. Although many students planning to attend medical or dental school following their graduation choose the joint Biology-Chemistry major, they may properly elect any undergraduate major. However, it is essential that their program include at least the minimal selection of courses required by the professional schools to which they will be applying. To ensure this, all such students should consult periodically with the Chairman of the Pre-professional Committee for approval of their academic programs.

Most medical and dental schools require the following selection of courses: at least three semesters of chemistry; two or more semesters of biology; and two semesters of physics. College mathematics, including some calculus, is strongly recommended. Other requirements, in general, are satisfied with the completion of the Group requirements. Chemistry: CH 101, a chemistry elective (usually CH 111), and Mathematics: MA 112, MA 113 should be taken in the freshman year; in the sophomore year two semesters of Biology (BI 101 and an elective) and Organic Chemistry (CH 241, CH 242) should be elected; Physics: PH 109, PH 110 is normally taken in the junior year.

During May of their junior year most premedical students take the Medical College Admission Test (Dental Aptitude Test, for predental students.) Also at this time, the students obtain recommendation forms and distribute them to faculty members of their choice. Early in the senior year, the Pre-professional Committee, on the basis of an interview with each student and consideration of their faculty recommendations, prepares committee recommendations and letters to be sent to the professional schools.

Very able students may choose the combined professional school plan which permits the student to leave Middlebury at the end of the junior year. (See above: Combined Professional School Plans.)

Environmental Studies. Middlebury College offers an interdisciplinary major in Environmental Studies, with Fields of Emphasis in Ecology, Environmental Chemistry, Environmental Geology, and Human Ecology. Middlebury's locale affords a unique opportunity for field work in these

areas, and the Environmental Studies major is designed to take full advantage of this opportunity. The major is intended for the student who comes to Middlebury College with a firm background in science and an interest in such interdisciplinary careers as terrestrial or marine ecology, oceanography, earth science, physiography, pollution control and human ecology.

The curriculum is carefully constructed from the College's offerings. Depending on his Field of Emphasis, the student essentially fulfills the departmental requirements for a major in Biology (Ecology), Chemistry (Environmental Chemistry), Geology (Environmental Geology), or Geography (Human Ecology). Moreover, all students majoring in Environmental Studies take a common core of courses in Biology, Geology, Geography, Mathematics, Physics, and Chemistry. The Ecology and the Environmental Chemistry and Geology programs include particular additional courses in the natural sciences, whereas the Human Ecology program includes particular additional courses in the social sciences. The depth in his Field of Emphasis, and the breadth in the core courses, give the student a foundation and perspective in environment that is appropriate to the liberal arts tradition. Also, the breadth releases the 2 unit Independent Study from the confines of a departmental major, permitting instead the study of a topic that has interdisciplinary aspects, and permitting occasional interdisciplinary seminars.

Students interested in this program should consult Prof. H. E. Woodin, Coordinator of Environmental Studies about specific course requirements. The program should be started in the Freshman year, in order to fulfill prerequisites for further study.

Junior Year Abroad. The College permits certain well-qualified students to spend the junior year studying abroad. Students applying for permission to study abroad are judged on the extent to which they will profit from such study. Ordinarily such students are expected to participate in one of the established foreign study programs. Students in these plans receive credit from Middlebury after submitting proper credentials.

Students may also make individual arrangements for study abroad and may be granted a year's leave of absence from the College. No guarantee of credit is made in advance, and it is the responsibility of the student to present evidence that the work done abroad has been similar in kind and quality to that expected of him at Middlebury.

Students interested in a Junior Year Abroad program should discuss their plans early with their faculty adviser and the Dean of Students.

Critical Languages Cooperative Program. Princeton University has recently established a Cooperative Undergraduate Program for Critical Languages and has invited Middlebury College to participate. The essence of the Program is that a student spends his junior year at Princeton, having acquired at least an elementary knowledge of the language he wishes to study. If the language is not available at Middlebury, he takes an intensive course at an approved summer school before going to Princeton. After the year at Princeton a student may take a second summer of language training

before he returns to Middlebury for his senior year and the A.B. degree. Participation is competitive. The languages available are Arabic, Chinese, Japanese, Persian, Russian and Turkish supplemented by relevant area studies in the humanities and social sciences.

Teacher Education Program. Middlebury offers an interdisciplinary program of courses to prepare interested students to teach elementary or secondary school by introducing them to the appropriate areas of scholarship in history, philosophy, psychology, and sociology. The Teacher Education Program itself offers courses in the Problems and Methods of Education and in Practice Teaching at both the elementary and secondary levels. These studies, combined with appropriate academic studies and with extra-curricular opportunities to work in the local schools, enable Middlebury students to obtain certification as teachers in any of the fifty states. (For a more complete description of this program, see pp. 119.)

Military Science Program. The Army Reserve Officers' Training Corps (ROTC) unit provides a voluntary program in Military Science which prepares selected students for a commission as a Second Lieutenant in either the Regular Army or the Army Reserve. See page 122 for a complete program description.

Facilities

THE EGBERT STARR LIBRARY

The Library plays a central role in the academic life of the College by providing materials and services to support the teaching and research needs of students and faculty. Its collection which contains 200,000 volumes and 95,000 government documents is available in open stacks, seven days a week. The growing periodical collection includes current subscriptions to more than 1,200 journals. Extensive files of American and foreign periodicals and newspapers dating back to the early 18th century are preserved on microfilm. Scientific books and journals are housed in the Science Center Library.

The Library building was erected in 1900 with funds bequeathed by Egbert Starr; its capacity was doubled in 1925, with the addition of two wings given by his son, Dr. M. Allen Starr. The work of remodeling of the main building and adding new wings was completed in 1962.

The Abernethy Library, a special collection of American literature, is built around the nucleus of books and manuscripts bequeathed in 1923 by Dr. Julian W. Abernethy. It now contains over 10,000 volumes, chiefly in first edition, many of them rare, and about 1,000 manuscripts, mostly autographed letters of American authors. Especially strong are the materials relating to Thoreau, Emerson, and other Concord writers. Frank D. Abernethy, brother of the first donor, furnished a room where the collection is housed and where it is available to all students, faculty, and qualified visitors.

A part of the Abernethy Library, the Robert Frost Room has 300 volumes of Frost's books and books on Frost, most of them autographed. In addition, chiefly through the efforts of Mrs. Corinne Tennyson Davids, the collection includes about 2,800 items of such Frostiana as pamphlets and periodicals containing the poet's work, book reviews, news items, photographs, college bulletins, sheet music of his poetry, tape and disc recordings, and original manuscripts.

Special library collections also include early Vermont imprints, materials relating to Vermont, to Middlebury, and to Middlebury College, incunabula, and rare books and manuscripts in various subject fields. The Special Collections of the Starr Library are open during regular hours to all interested and qualified users.

A collection unique in its field is the Helen Hartness Flanders Ballad Collection of over 9,500 New England items, including Child Ballads, ballads and folk songs of British and American origin, religious songs, fiddle-tunes and call-sets which have been recovered through oral transmission. There are about 4,400 mechanical recordings. Its library contains rare books, broadsides, chap-books, manuscripts, books on folklore as well as American and British regional collections and current folk song journals.

COMPUTER FACILITY

Teletypes that connect directly with the GE-625 computer at the Kiewit Computation Center at Dartmouth College are located in Munroe

Hall, Warner Hall, and the Science Center. These provide students with access to a computer for class and laboratory work or for individual projects, using BASIC and other computer languages.

BUILDINGS

Administration Building (1836). The Old Chapel, built of grey limestone and for years used as the chief recitation hall, was completely remodeled in 1941 and turned over to administrative offices. Here are located the Old Chapel Room and the offices of the President, Vice Presidents, the Treasurer, the Deans, the Business Manager, the Comptroller, and other administrative officers.

Allen Hall (1963) is constructed of slate from Fair Haven, the home for many years of Cecile Child Allen '01, in whose memory it is named. It houses seventy students and four house residents and is divided into four separate sections of varying size. In each section is a suite for the resident and a study lounge. Students agreeing to speak German, Russian, or Spanish are assigned to separate sections, each under the direction of a resident speaking that language.

Alumni Center (1909) houses offices of the Alumni and Alumnae Secretaries and the placement office.

Battell Halls (1950 and 1955) are located on the approach to the Château, and east of Pearsons Hall. They are constructed of grey limestone and house two hundred and fifty women.

Bread Loaf Campus. Located twelve miles to the east of the village of Middlebury, this extensive tract of land and group of buildings, comprised of an inn and surrounding cottages, was willed to the College in 1915 by Colonel Joseph Battell; and has since been augmented by the construction of a library, a little theatre, and other housing accommodations.

Carr Hall (1951), located on College Street east of Forest Hall, is a two-story limestone building constructed in memory of Reid Langdon Carr '01, a former Trustee. Used for the Fine Arts for nearly twenty years, it was converted in 1968 to use as a College Infirmary.

The Château (1925). Middlebury College was a pioneer in the plan of the separate language house, where the residents use the foreign language exclusively while in the building. The Château is one of the oldest and still the largest "maison française" in the United States. Its architecture was inspired by the Pavillon Henri IV of the palace of Fontainbleau. The Château contains a large salon and a Salon Louis XVI with authentic panels from the Hotel Crillon in Paris and furnishings of the period; a library, classrooms, offices, a dining room, and rooms for forty-eight students.

Charles A. Dana Auditorium, completed in September 1965, and named in honor of Mr. Dana, benefactor of the College, is a fine modern

270-place amphitheatre. Functioning as a part of the Sunderland Language Center, and connected with its electronic studios, it is used not only by the Language Schools, but by the whole College for concerts, lectures and other academic and cultural meetings.

Christian A. Johnson Memorial Building (1968). The gift of The Christian A. Johnson Endeavour Foundation, presented by Mrs. Johnson in memory of her husband, expresses in its handsome and generous architecture Middlebury's deep commitment to the programs in Art and Music which are located in the building. A large recital hall, the Johnson Gallery for exhibits of art, studios for painting, design, graphics and sculpture, practice rooms for instrument and voice as well as a library and classroom facilities ring the great three-story open exhibition hall. The building is located on the site of the former music studios south of the Wright Theatre.

Cook Society. (1970), named after Reginald C. "Doc" Cook '24, Litt. D. '60, one of Middlebury's most distinguished faculty members who served on the faculty for forty years and as Director of the Bread Loaf School of English from 1946 to 1964. The Cook Society is one of three new student society buildings which brings together the academic and social programs of the College.

The Deanery and the Faculty House. The acquisition and restoration of these two brick buildings adjoining the campus, built about the time of the founding of the College, was made possible in 1966 by the gifts of an anonymous donor interested in providing housing accommodations for members of the faculty and staff, at the same time restoring and preserving outstanding specimens of early American architecture.

Forest Hall (1936) is a women's dormitory constructed of grey limestone and containing sixty-three double suites of two rooms and connecting lavatory, attractive reception rooms and dining rooms. It was built with funds derived from the sale of a large acreage of mountain forest to the federal government.

Freeman Society (1970), named after Stephen A. Freeman, Litt.D., a faculty member and member of the Middlebury staff for over forty-five years, Director of the Summer Language Schools for 24 years. The Freeman Society is one of three new student societies which brings together the academic and social programs of the College.

Gifford Hall (1940), a five-story grey limestone men's dormitory overlooking the campus, was the memorial gift of the late Mrs. James M. Gifford, widow of a long-time trustee of the College.

Hadley Hall (1969) named after Egbert C. Hadley '10, LL.D. '68 who served on the Board of Trustees for over thirty years, twenty-four as Chairman of the Board, and who traces back a virtually continuous line of trustees associated with his family from Thomas Abbot Merrill who joined the Board in 1806 after being a tutor at the College in 1804–05 through Peter

Starr (member of the Board 1819–1860), Charles J. Starr (member of the Board 1855–1893), and M. Allen Starr (member of the Board 1898–1932). Hadley Hall is the newest residence for men at Middlebury located on a high ridge beyond Pearsons with magnificent views of the Adirondacks and and the Green Mountains.

Milliken Hall (1969), named after the late Gertrude Cornish Milliken '01 who was the first woman to serve on the Board of Trustees of the College. Located on a high ridge north of Pearsons Hall with a commanding view along the Champlain Valley.

Ross Lounge, connecting Hadley and Milliken Halls named after the late Eleanor S. Ross Thomas, '95, M.A.(Hon.) '27, Dean of Women from 1915 to 1944.

Hamlin Society (1970), named after Cyrus Hamlin, president of the College from 1880 to 1885 and under whose administration women were first admitted to Middlebury. The Hamlin Society is one of three new student societies that brings together the academic and social programs of the College.

Hepburn Hall (1916), the gift of A. Barton Hepburn, '71, is a five-story dormitory of grey brick on one of the highest points of the campus. It was completely renovated and remodeled in 1958–59 as a dormitory for men.

Mead Memorial Chapel (1916). This colonial white marble structure of the New England meeting house type, the gift of John A. Mead, '64, stands on the highest eminence of the campus, and the light which shines nightly from its spire is a county landmark. Across its façade are chiseled the words "The Strength of the Hills Is His Also." The chancel has accommodations for a vested student choir and contains a large pipe organ. In the tower is a carillon of eleven bells which are played daily by a student from 5:30 to 6:00 while the College is in session. The small Sunderland Memorial Chapel is used for private devotion and special services.

Munroe Hall (1941). Many of the departments have their classrooms and offices in Munroe Hall, the gift of the late Charles A. Munroe, '96, a former trustee. The interior is modern while the exterior of grey limestone and marble trim conforms with the general colonial architecture of the older buildings.

Painter Hall (1815) is the oldest college building in Vermont and a fine example of sturdy New England architecture. It bears the name of a founder and first benefactor of the College. Completely remodelled in 1936, it is a men's dormitory.

Pearsons Hall (1911), a marble building of colonial design which commands a view of both the Adirondacks and the Green Mountains, is a dormitory for junior women.

Porter Hospital (1925) is a fireproof brick building with a beautiful view of the Green Mountains, the gift of William H. Porter to the College, for use by the College and the residents of Addison County. In 1960 the building was completely renovated and a substantial wing was added. The Hospi-

tal has a 48-bed capacity, modern equipment, graduate nurses always on duty, a resident surgeon, and local physicians on call.

Redfield Proctor Hall (1960), named in honor of the late Governor Redfield Proctor, trustee and benefactor of the College, is the Dining Hall—Student Center. It contains student lounges and offices, a bookstore, the College Radio Station, Offices of the Chaplain, Director of Food Service, and other facilities. The large dining room, accommodating four hundred students by counter-buffet service, permits the entire freshman class, both men and women, to eat together during their first year in College.

Robert Frost Memorial. The cabin and other buildings which Mr. Frost used as his summer home in Ripton, adjoining the Bread Loaf Campus and known as the Homer Noble Farm, were acquired by the College in 1966 through the gift of a generous benefactor.

Science Center (1968). Located on the lower campus below Warner Hall, the Science Center houses the departments of Chemistry, Biology, Geology and Physics. Eventual expansion plans call for a fully integrated facility for all the natural sciences.

Starr Hall (1861) was erected to complete "Old Stone Row"—Painter, Old Chapel, and Starr—and was rebuilt four years later after a fire. It was completely remodeled in 1946 and is a dormitory for men.

Starr Library (1900), including also the Abernethy Library and other collections, is described above.

Stewart Hall (1956) is a modern dormitory of Vermont limestone containing accommodations for one hundred and fifty-two men in double rooms and an apartment for the faculty resident. Located on the upper campus south of Hepburn Hall, it enjoys attractive views of both the Green Mountains and the Adirondacks. It is named in recognition of the Stewart family's long history of service to Middlebury College.

Sunderland Language Center, completed in September 1965, and named in honor of the late Edwin S. S. Sunderland, trustee and benefactor of the College, is the headquarters of the Foreign Language Division and the Summer Language Schools. Its modern audio-visual classrooms, recording and transmission studios, connecting with 63 library-type cubicles equipped with the latest devices for individual language study make this the finest Language Center in the country.

Voter Hall, named after the late Perley C. Voter for many years Professor of Chemistry at the College. Voter Hall, currently under reconstruction, will open as a dormitory for women in the Fall 1970.

Warner Science Hall (1901) houses the lecture rooms, laboratories, and offices for Psychology, Geography and Mathematics. It was built through the benefactions of Ezra J. Warner, '61, as a memorial to his father, once a trustee of the College. A modern greenhouse has been added to the equipment for the courses in botany.

The Emma Willard House (acquired in 1959), where Emma Hart Willard established her Female Seminary in 1814, is occupied by the offices of the Directors of Admissions and Financial Aid.

Wright Memorial Theatre (1958), the drama and speech center, includes a 400-seat auditorium, a drama workshop, rehearsal rooms, debate rooms, classrooms and faculty offices. The building is named to honor Charles Baker Wright, Professor of Rhetoric and English Literature at Middlebury from 1885 to 1920.

ATHLETIC FACILITIES

The World War II Memorial Field House (1949) is a building 400 feet by 120 feet, located on South Main Street adjacent to Porter Field and the Fred D. Lang Memorial Field. Accommodations in this building provide for large assemblies, dances, an indoor skating rink with artificial ice, regulation and practice basketball courts, badminton, tennis, and volley ball courts, offices and other facilities. The rifle range of the R.O.T.C. unit is also located here.

Beyond the Field House is the Middlebury College Golf Course, a nine-hole course owned and operated by the College.

The Porter Athletic Field of about eighty acres contains a quarter-mile cinder track, a baseball diamond, the football field, soccer and lacrosse fields, and bleachers.

The Fred Davis Lang Memorial Field, situated east of the Memorial Field House, consists of approximately four acres of playing fields available for intramural sports.

Sixteen outdoor tennis courts are located on the campus.

The mountain campus includes the Middlebury College Snow Bowl containing a 15-kilometer cross-country ski trail, three Poma ski lifts, and a 4200-foot double chair lift, 14 slalom and downhill trails and slopes, and three jumps. The 3200-foot Poma lift was the first installed by any college and the 55-meter Gignac Memorial Jump is the largest collegiate jump in the country. The **Neil Starr Shelter,** which serves as a base building, contains first aid and food service facilities, and a library reading room. Its glass-walled main floor, balcony, and terrace afford a magnificient view of the lifts, slopes, and jumps.

McCullough Gymnasium for Women (1912) is of marble in colonial style and contains facilities for women's indoor athletic activities, squash and handball, body mechanics, and dance as well as arrangements for indoor archery, golf, and battleboard tennis. Offices, lecture room, lounge, and locker room are included. The campus also has a large playing area for women's outdoor sports, field hockey, lacrosse, softball, and golf practice.

The Arthur M. Brown Swimming Pool (1963), meeting N.C.A.A. competition requirements, is for the use of the entire college. It was added to the McCullough Gymnasium through the generosity of Mr. and Mrs. John Kruesi and a bequest of Malcolm T. Anderson, '25.

Development Program

The long range Development Program, inaugurated in 1954, seeks the additional funds necessary to provide increased teaching resources and academic facilities required to sustain Middlebury's educational objectives.

Instructional plant needs require funds for the development of the Science Center and for renovation of older Science buildings. Residential facilities would be improved greatly by gifts for new Residence Halls, new Dining-Social units and for equipping and endowing the Student Health Center. Funds for a Studio for Modern Dance and additional athletic fields are required to meet needs in physical education.

Major attention is being given to the need for increased endowment. Gifts and bequests particularly helpful would be directed in support of increased funds for faculty research, for an improved faculty study and research leave program, for visiting lectureships, for library and fine arts acquisitions, and for scholarships.

The endowment of a professorship is one of the finest and most rewarding contributions that can be made to a college. Necessary funds for such an endowment would range from $500,000 to $750,000. The endowed professorships currently established at Middlebury and the dates of their founding are as follows:

The Burr Professorship of Chemistry and Natural History (1928)
The John C. Baldwin Professorship of Mathematics and Natural Philosophy (1866)
The Levi P. Morton Professorship of Latin and French (1886–87)
The Beman Professorship of Mathematics (1893)
The James B. Jermain Professorship of Political Economy (1901)
The A. Barton Hepburn Women's Professorship (1908)
The George Nye and Anne Walker Boardman Professorship of Mental and Moral Science (1908)
The Paige-Wright Professorship of Economics (1913)
The Fletcher D. Proctor Professorship of American History (1918)
The Henry Norman Hudson Professorship of English (1920)
The A. Barton Hepburn Professorship of Economics (1922)
The John C. McCullough Professorship of Chemistry (1924)
The Julian W. Abernethy Professorship of American Literature (1933)
The Albert D. Mead Professorship of Biology (1949)
The George Adams Ellis Professorship of Liberal Arts (1956)
The Jean Thomson Fulton Professorships of Modern Languages and Literature (1963)
The Irene Heinz and John La Porte Given Professorship in Pre-medical Sciences (1966)
The Charles A. Dana Professorships (1966)

The Administration will be happy to discuss any of its future plans with friends of the College. Forms for gifts and bequests for endowment, general, and specific purposes are as follows:

Forms for Gifts and Bequests

The corporate title of Middlebury College is "The President and Fellows of Middlebury College."

The following forms are suggested:

GENERAL: *"I give (or bequeath) to The President and Fellows of Middlebury College, a corporation of the State of Vermont, located at Middlebury, Vermont, the sum of . . . . . .for the uses and purposes of the said Corporation."*

ENDOWMENT: *"I give (or bequeath) to The President and Fellows of Middlebury College, a corporation of the State of Vermont, located at Middlebury, Vermont, the sum of . . . . . .to be added to the General Endowment of the said Corporation."*

FOR A SPECIFIC PURPOSE: *"I give (or bequeath) to The President and Fellows of Middlebury College, a corporation of the State of Vermont, located at Middlebury, Vermont, the sum of . . . . . .to be known as the . . . . . .Fund, the principal to be invested and reinvested in its discretion, and the income therefrom to be used for the purposes of . . . . . .If at any time, in the judgment of the Trustees of the said Corporation, the need of income for such purpose no longer exists, the Trustees of the said Corporation shall be, and hereby are, authorized to use the income from the Fund for such purpose as shall in their judgment promote the interests of the College."*

Middlebury College is accredited by the New England Association of Colleges and Secondary Schools, and the Vermont State Department of Education.

The New England Association of Colleges and Secondary Schools accredits schools and colleges in the six New England states. Membership in one of the six regional accrediting associations in the United States indicates that the school or college has been carefully evaluated and found to meet standards agreed upon by qualified educators. Colleges support the efforts of public school and community officials to have their secondary school meet the standards of membership.

College Regulations and Services

THE COLLEGE furnishes each student with a pamphlet of regulations containing detailed information as to enrollment, attendance, scholarship, examinations, athletics, and student activities. All students are responsible for a thorough knowledge of and compliance with these regulations.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as undesirable, without assigning any further reason therefore. In such cases, the fees which are due or which may have been paid in advance will not be refunded or remitted, in whole or in part, and neither the College nor any of its officers shall be under any liability whatsoever for such exclusion.

Course Changes. No change in studies is allowed during the first week of the classroom work except by the permission of the student's adviser. During the second week of classroom work a change may be made only with the permission of the adviser, the Dean of Students, and the instructor involved. After the second week of classroom work no change may be made except within a department and upon the initiative of the instructor.

Grades. Reports of standing are made to the Registrar by the instructors at the end of each term. Faculty members do not give out final course grades.

Students are responsible for keeping parents correctly and currently informed of their standing and progress in college. Final grades and notices of academic probation are sent to parents. Parents are notified when a student is placed on warning in two courses.

The Dean of Students will consider any special curricular problems of veterans and grant waivers to the usual requirements when circumstances involve such factors as health, extended interruption of education, and family responsibilities.

"Successful completion of a year" for draft board certification is defined as "approved for continuance in college."

Transfer of Credit. Normally, transfer credits from other recognized educational institutions are accepted only for the purpose of making up deficiencies in the student's Middlebury record. Whenever possible, the student should secure advance permission to attempt such work at another institution. Transfer of credit forms are available at the Dean's office. No credit is granted for correspondence courses.

In exceptional cases, and for sound educational reasons, students may

offer the following as equivalent to a year's work or to a Fall or Spring term as appropriate:

(a) Approved foreign study programs.
(b) Summer programs of study approved in advance by the student's major department and the Administration Committee.
(c) Programs of study in conjunction with a Leave of Absence approved by the student's major department and the Administration Committee.
(d) Three or more Advanced Placements at entrance, approved by the departments concerned, as equivalent to a year's work on the recommendation of the Administration Committee.

Failure, Probation, Warning and Readmission. A student who receives two failing grades, three D grades or one failing grade and two D's during a fall or spring term will be dropped from College. First-term freshmen and seventh-term seniors will be reviewed by the Administration Committee prior to final action.

A student who receives two D grades or one failing grade and a D grade in a single term will be placed on probation until the end of the following Fall or Spring term. A student on probation who receives one failing grade or two D grades in the subsequent Fall or Spring term will be required to withdraw.

A student who receives a failing grade in the Winter term while on probation will be required to withdraw; if not on probation the student will be placed on probation for the Spring term. A student on probation from the previous fall and who receives an honors grade for the Winter Session will be removed from probation. A student may not be placed on probation more than twice in his College career.

At any time when a student is failing a course, consistently receiving grades below 70, or in any way neglecting the obligations of a course, he is placed on warning for a minimum of four weeks. At the end of the four-week period he may be taken off warning by the Dean if the instructor certifies that his work has improved sufficiently to warrant this action.

A student who is failing at the same time in three courses is dropped from college if it is the consensus of his instructors and the Dean that his failure is due to lack of application or to negligent attitude.

A student dropped for academic failure will not be readmitted except by special action of the Administration Committee. Readmission is a special privilege, not a right. The Committee will take favorable action only when it is satisfied that the factors which led to failure have been rectified and that the student has both ample motivation and capacity to earn his degree. Mere lapse of time is not sufficient basis for readmission. The burden of proof of motivation and capacity rests with the student. The student is encouraged to enroll at another accredited institution and to achieve a good record there. In some cases, military service or employment related to his interests may be considered as evidence.

Application for readmission is made to the Administration Committee through the Dean of Students. Any student readmitted will be on probation

for the first term following his return and, if dropped a second time, will not be readmitted. Normally, students are readmitted only for Winter or Spring term.

Extracurricular Activities. Middlebury College recognizes the value of extracurricular activities, and students are encouraged to participate in cultural, social, and athletic functions outside of scheduled class work, but participation in such events should not be at the expense of curricular obligations.

Attendance. In order to achieve the levels of scholarship which are the objective of the students and of the College, students are advised to attend all scheduled meetings of their classes. Since the seriousness of absence varies among the courses, instructors announce their attendance policies. Students on the Dean's List, however, are offered the prerogative of voluntary attendance, though they must be present for all pre-announced examinations and may, at the discretion of the instructor, be required to submit promptly all written requirements of the course. Whenever, in the opinion of the instructor, a student's work in a course is being impaired by non-attendance, the Dean is informed and the student must comply with the instructor's requirements for completing the work missed. For students not on the Dean's List, instructors specify the conditions under which work may be made up after a necessary absence. When an absence has not been justified, however, the instructor has no responsibility for aiding the student in making up the work.

When a necessary absence is taken in any course, the student is advised to prepare an "Explanation of Absence" form in the Dean's Office (in the Infirmary Office if illness is the cause) and to submit the form to the instructor. Absences are not excused by the Dean or Doctor prior to a student's being placed on warning, except for a necessary absence from a pre-announced examination, or for an absence due to an emergency. The explanations are for information only. The Dean's Office periodically submits to the faculty the names of students who are to be absent while participating in approved extracurricular activities.

Reasons for absence which are usually accepted by the instructor and the Dean are necessary employment, illness (verified by the College Physician), participation in recognized extracurricular events, and emergencies.

Tardiness from a class or exercise is recorded as an absence.

A student who is absent from a pre-announced examination without excuse receives a failure for the examination and is not granted the privilege of making it up.

Auditing. With the advance permission of the instructor and the Dean a regularly enrolled student may attend other classes as an auditor. The instructor establishes the conditions under which the student may audit, but in no case can the student receive credit for auditing. Occasional visiting is also allowed with the previous permission of the instructor.

Motor Vehicles. Qualified students are permitted to have or to operate a motor vehicle.

RESIDENCE HALLS

Middlebury is a residential college. All single men live in the residence halls or fraternity houses; all women live in the residence halls.

Reservations are made by upperclassmen during the spring for the following year. Students reserving rooms are responsible for the year's rental charge, unless special arrangements are made with the Director of Dining Halls at the time the room contact is signed. All rooms are assigned subject to residence halls regulations and the terms of the room contract. Occupants are liable for any damage to the residence halls and their furnishings. A student may be required to withdraw from college or be subject to lesser disciplinary penalties for failure to respect residence halls regulations, and forfeit the room charge already paid. The College does not accept responsibility for loss of money or other personal property or damage thereto while located in the Halls. The Director of Residence Halls reserves the right to remove from a student's room any item which constitutes a safety hazard or seriously interferes with the maintenance of the building.

Rooms are ready for occupancy in September on the day preceding the first college exercises and, except for seniors, are vacated in June on the day following the student's last final examination. Residences are closed during the Christmas vacation and students may not have access to rooms during that period.

Men's Residences. Preference in choice of rooms is given to students in order of classes. Residence Halls are furnished with single or double-deck beds, mattresses, desks, dresser and chairs. Bedding, pillows and other accessories are furnished by the occupants. Room fees include heat and electricity, and janitor service. Students provide their own laundry service.

Student Fellows in each section of the freshman halls work closely with the Deans and the freshman advisers.

All men must eat either in the College Dining Halls or fraternities unless exempted by the Dean of Students.

Women's Residences. Each of the residences for undergraduate women is under the supervision of a head resident. The room charge includes heat, light and limited maid and janitor service. All rooms are furnished with single bed, pillow, mattress, study table, dresser, and chair for each student. Students provide their own bed linen and towels and provide for their laundering. All resident women students dine in college dining halls unless exempted by the Dean of Students.

FRESHMAN WEEK

Directly preceding the opening of the fall term, there is a four-day period of orientation to assist freshmen in adjusting to the college community.

The program includes Freshman Convocation, an informal assembly, registration, receptions and social gatherings, lectures by members of the college personnel, and placement tests. Each student is assigned to a registration counselor. Freshmen are also assisted by upperclass student advisers.

CHAPEL SERVICES

On the highest eminence of the campus stands Mead Memorial Chapel where members of the college community may gather for common worship.

The Sunday Morning Service is Christian in emphasis and ecumenical in design. The sermons are delivered by the College Chaplain, occasionally by other members of the Middlebury faculty, and by visiting clergymen. During 1969–1970, Dr. Benjamin Mays of Atlanta, Professor Arthur McGill of Harvard University, Dr. Ralph Dunlop of Northwestern University, Professor John Eusden of Williams College, and Chaplain David Maitland of Carleton College were among the guest preachers.

In addition there are other services, often experimental in nature, which are planned and led by students. Roman Catholic Mass is celebrated weekly in the Chapel which is also used by other denominational groups such as the Christian Science Organization.

ENDOWED LECTURESHIPS

Julian W. Abernethy Lecture. Established in 1928 under the will of Julian W. Abernethy, Class of 1876. A writer of distinction is annually invited to address the College upon some aspect of American literature in commemoration of the birthday of Dr. Abernethy, founder of the Abernethy Library.

William H. Edmunds '17 Memorial Lecture. Established by Vermont Transit, Addison and Chittenden Trust Companies in memory of William Edmunds. Income may be used to provide a lecture on the Middlebury campus in the Social Sciences.

Charles S. Grant Memorial Lecture. Established by friends in memory of Professor Grant to provide an annual lecture in History.

Samuel S. Stratton Lecture. Established by 1962–63 gifts to the Parents' Fund to honor Dr. Stratton at the time of his retirement as the eleventh President of Middlebury, to provide an expanded program of visiting lecturers on the Middlebury campus.

Class of 1914 Lecture. Established by an anonymous member of the Class of 1914, to provide an annual lecture on Science and the Humanities.

The John Hamilton Fulton Memorial Lectures. Given anonymously. To establish lectures, performances and extended visits to the Middlebury campus by distinguished scholars, artists and performers.

The Willard Duncan Carpenter '14 Memorial Lecture. Established by Mrs. Ethel G. Storm, Class of 1916, in memory of her first husband. For an annual lecture in economics by a visiting economist from a leading university, industry or government.

HEALTH MEASURES

The College Medical Fee provides for the services of a full-time physician who serves as Medical Director for the College. The Medical Director is

assisted by two full-time registered nurses who provide round-the-clock attention at the College Infirmary. In addition to out-patient treatment at the Infirmary, space is provided for bed care of minor illness. The Medical Fee provides for care for each student at the Infirmary without charge each year. In addition the Medical Fee covers accident insurance for all students. The Town of Middlebury has a well equipped hospital; there is a surgeon member of the American Board on the staff. Extensive medical facilities are available at the Medical Center Hospital of Vermont in Burlington.

The Medical Director of the College has general oversight of the health needs of the student. Every freshman must present before matriculation a satisfactory health certificate signed by a physician. Physical measurements and health records are filed and corrective exercise recommended when needed. All freshmen and sophomores who are physically able are required to participate in organized physical activities at least two periods a week. The College reserves the right to ask the withdrawal of any student for medical or psychiatric reasons. A student may be requested to have a thorough physical examination once a year or whenever considered necessary by the Medical Director. The Medical Director authorizes all absences due to illness.

The College maintains a Psychiatric Adviser on its administrative staff. He is a fully qualified psychiatrist and is on the campus two afternoons a week. Students may visit him directly or be referred to him by the Deans or by the Faculty Advisers. There is no charge for this service, but if, in the opinion of the Psychiatric Adviser, a student needs a continuing program of psychiatric assistance, such a program is arranged and financed privately by the student. The Psychiatric Adviser advises the College of all matters involving the mental health and welfare of the students.

EXTRACURRICULAR PROGRAM

The relatively small size of the College permits participation in a variety of extracurricular activities by all undergraduates. Theatrical productions, sports events, debates, lectures and weekend mountain trips are scheduled throughout the year.

Concert-Film. Outstanding artists and films are brought to the campus under the supervision of a faculty-student committee appointed for that purpose. All regularly enrolled students are admitted to these concerts and films without charge.

Many other special lectures are sponsored by the College, under special funds, or through various departments and organizations.

Conference. An annual two-day symposium is held at which outstanding authorities in the fields of the arts, literature, economics, politics, religion, and science discuss with the students problems of current significance.

Religion Conference. In 1953 a group of students organized and raised money for a weekend conference on religion. They envisioned an annual event for the purpose of "exploring the meaning of religion in modern life."

In 1957, Mr. Don Mitchell established an endowment to insure an annual income for the Religion Conference. As a result this conference has become one of the important occasions in the college calendar.

Radio Station. Students operate an F. M. radio station licensed by the F. C. C. as a 10 watt educational facility. Programming features music, sports, interviews and news.

ATHLETICS

Middlebury College is a member of the Eastern College Athletic Conference, the largest collegiate athletic conference in the nation. This Conference has exacting rules of eligibility affecting competition by its members. Middlebury is also a member of the National Collegiate Athletic Association. The College maintains a healthy and active intercollegiate athletic program consisting of eleven sports: football, cross-country, soccer, basketball, skiing, hockey, baseball, track, lacrosse, golf, and tennis. There is also a freshman athletic program in most intercollegiate sports. Colleges of similar size and type such as Amherst, Williams, Wesleyan, Hamilton, and Union are met in most sports. In some sports Middlebury teams meet Army, Cornell, Dartmouth, Harvard, Massachusetts Institute of Technology, Princeton, Rensselaer Polytechnic Institute, and other large institutions. Middlebury, Norwich University, University of Vermont and St. Michael's College play annually for the Vermont State Championship in most sports.

Intramural games are scheduled in basketball, track, golf, rifle, soccer, lacrosse, bowling, tennis, relays, badminton, touch football, volleyball, hockey, softball, and swimming. Skiing and hockey are special features of the winter calendar.

A sports program for women, under the direction of the Department of Physical Education for Women and the Women's Recreation Association, includes intramurals, extramurals with other colleges, and participation in organized tournaments and meets open to college women. Activities include archery, badminton, basketball, bowling, diving, field hockey, folk dance, golf, ice skating, lacrosse, modern dance, riding, skiing, softball, squash, swimming, synchronized swimming, table tennis, tennis, trampoline, and volleyball. Performing groups include the Modern Dance Club and the Synchronized Swimming Club.

Students take part in the Annual Winter Carnival which, in the years since its inception, has assumed an important role in the social and sports life of the College.

The College does not assume legal responsibility for the expense in caring for injuries sustained by athletes while training for or participating in athletic competition.

ORGANIZATIONS

Administrative organizations include the Interfraternity Council and Redfield Proctor Hall Board of Governors.

Honorary organizations on the campus are: Phi Beta Kappa, Waubanake, Blue Key, Mortar Board, Junior Counsellors and Sophomore Guides.

There are also athletic, musical, dramatic, literary, religious, and departmental student clubs.

Nine fraternities are represented: Alpha Sigma Psi, Chi Psi, Delta Kappa Epsilon, Delta Upsilon, Kappa Delta Rho, Phi Kappa Tau, Sigma Epsilon, Theta Chi, and Zeta Psi.

PUBLICATIONS

Undergraduates of Middlebury College publish the weekly newspaper, *The Middlebury Campus*. Students assume complete responsibility for the editorial content of the newspaper. Other publications are a yearbook, *The Kaleidoscope*, and a literary and graphic arts publication, *Frontiers*.

New Faces, a publication containing pictures of the members of the entering class, is published each year by the College in cooperation with the students and made available to parents and members of the student body.

The Middlebury College News Letter, a quarterly magazine, is published by the College for its alumni, parents and friends.

The Middlebury College Bulletin is published eight times during the college year. Periodic numbers include catalogues of the academic year, the Language Schools, the Bread Loaf School of English, the Bread Loaf Writers' Conference, and the Graduate Schools Abroad.

CAREER PLACEMENT

The Placement Office provides all students and alumni of Middlebury College with a central source of information and with personal counseling on career planning, graduate work, and summer employment. Opportunities to meet with representatives of graduate schools and with prospective employers are given throughout the year. The Placement Library contains a wide variety of career and summer employment possibilities.

All students should register with the Placement Office regardless of their professional goals. A permanent record of all college and university data is maintained, together with recommendations from faculty and employers, at no cost to the registrant. Upon request, copies of this dossier are sent out to prospective employers and graduate schools. Registration is normally conducted in the Spring Term of the student's Junior year.

GRADUATE WORK

Academic Year. Middlebury College offers graduate courses leading to the Master of Science degree in the Departments of Biology and Chemistry during the regular academic year. Inquiries about these programs should be addressed to the chairman of the department concerned. Graduate students may be enrolled only upon recommendation of the department concerned and approval by the Graduate Work Committee. The courses which are regularly offered for graduate credit are:

Biology: All Biology courses numbered 300 or above and Mathematics 300 or above.

Chemistry: All Chemistry courses numbered 400 or above. In order to serve the needs of graduate students in these departments, cognate courses in other departments may, when appropriate, be raised to graduate level by inclusion of supplemental material.

Candidacy for the Master of Science degree is subject to the following general regulations:

1. The candidate must hold a baccalaureate degree from Middlebury College or from a comparable institution and must have completed an undergraduate course of study sufficient for effective graduate work.
2. The candidate must satisfy Middlebury College of his fitness to undertake graduate study.
3. The candidate must be a student in residence at Middlebury College for at least one academic year.
4. In order to be granted the degree, the candidate must successfully complete graduate work equivalent to nine courses.
5. Graduate work done at other institutions may be transferred for credit toward a Middlebury degree subject to the condition that at least six of the required course equivalents for graduation must be completed at Middlebury College.
6. Graduate work in cognate fields may, upon approval of the major department, be counted toward the degree subject to the limitation that at least six of the nine required course equivalents must be in the department in which the degree is granted.
7. All work to be credited toward the degree must be completed with a grade of 80 or above.
8. Participation in laboratory teaching and preparation is a degree requirement.
9. All work to be credited toward the degree must have been completed during the ten year period immediately preceding the granting of the degree.

Candidacy for the Master of Science degree is subject also to such further regulations as Middlebury College may establish.

Tuition for graduate study is charged at the single course rate of $300. A medical fee of $43.00 is required and one may enroll in an optional sickness insurance program for an additional $22.00.

Teaching and research fellowships are available. Information concerning these may be obtained from the chairman of the department concerned.

The Summer Session. Graduate work leading to the Master of Arts degree in English and the advanced Master of Letters degree are offered in the summer at the Middlebury College Bread Loaf School of English. Courses, varied each year, are given in English, American, and classical literature, literary history and criticism, dramatic arts, and the craft of writing. Full information about the curriculum and requirements for the degrees is given in the Middlebury College Bulletin for the Bread Loaf School of English, published each year in February. All inquiries should be addressed to the Bread Loaf Secretary.

Graduate work leading to the Master of Arts degree is offered in the Middlebury College Summer Language Schools of French, German, Italian, Russian and Spanish. Courses, varied each year, are given in the spoken and written language, and in the literature, civilization, and methods of teaching the language. Students are required to pledge themselves to use only the language of their school during the entire session. Full information about the curriculum and requirements for the degree is given in the Middlebury College Bulletin on the Summer Language Schools, published each year in March. All general inquiries should be addressed to the Secretary of the Language Schools; specific inquiries about admission and courses, to the Director of the School.

Beginning and advanced courses for undergraduate and graduate credit are also offered in Chinese and Japanese, in a ten-week summer session. Full information is given in the special Bulletin on the Summer Schools of Chinese and Japanese, which may be requested of the Secretary of the Language Schools.

The Middlebury College Bread Loaf Writers' Conference is also held at Bread Loaf during the two weeks following the School of English. This Conference offers lectures, discussions, and private consultations, at the graduate level, in fiction, non-fiction, poetry and children's literature, but does not lead to a degree. Full information is provided in the special Bulletin, published each year in April. Inquiries should be addressed to the Bread Loaf Secretary.

The Graduate Schools Abroad. Middlebury College conducts Graduate Schools of French in France, of German in Germany, of Italian in Italy, and of Spanish in Spain.

The students spend the academic year on a coordinated program of advanced instruction in linguistics, phonetics, literature, history, the arts and social institutions. These courses are followed in the Faculties or other divisions and institutes, or in specially arranged graduate study, in Paris, Mainz, Florence, and Madrid. The students work under the close guidance and supervision of a resident representative of Middlebury College. At the close of the year, final examinations are administered under his direction, and the successful candidates receive the Middlebury Master of Arts degree, in addition to any foreign certificates or diplomas which they may earn.

A preliminary summer of preparation at the Middlebury Summer School is normally required, and only those who prove themselves qualified are allowed to enroll. Members of the group make their own arrangements for transportation, board and room, with the advice and guidance of the Middlebury Director. The Director facilitates social contacts and assists their plans for travel, visits to museums, and attendance at theatres and concerts. A special bulletin will be sent on request to the Secretary of the Language Schools.

The Degree of Master of Letters. Besides the Master of Arts degree, the Bread Loaf School of English also offers the advanced degree of Master of Letters (M. Litt.) representing the equivalent of a year of specialized study

in the field of English or American literature beyond the M.A. Information describing the requirements will be sent on request.

The Degree of Doctor of Modern Languages. Besides the Master of Arts degree, the Foreign Language Schools also offer the advanced degree of Doctor of Modern Languages (D.M.L.). A detailed statement of the requirements for this degree will be sent on request.

Departments of Instruction

All courses are given as term courses with the exception of Senior Work (700) and 500 courses in an Honors Program. These course numbers may signify on-going work, and in such event are marked "S" (Satisfactory progress) or "U" (Unsatisfactory).

Courses numbered 100–199 are usually taken by freshmen; 200–299, by sophomores; 300–399, by juniors; 400–499, by seniors. Schedules are cleared on this basis and conflicts will thus be most easily avoided by taking courses in proper sequence.

At the head of each departmental section, the major is described and the requirements for a major in that department are stated, together with recommended courses.

Prerequisites to a course are shown in parentheses. Courses not being offered in 1970–71 are bracketed. Abbreviations include: Lab., laboratory period; Lect., lecture period.

The College reserves the right, without further notice, to cancel any courses herein described, or to make any other changes in staff, fees, and courses which may be deemed necessary.

THE DEPARTMENTS OF INSTRUCTION are organized in four Divisions: Humanities, Foreign Languages, Social Sciences, and Natural Sciences.

Division of the Humanities

Acting Chairman: To be appointed

American Literature
Art
English and Drama
Music
Philosophy
Religion

Division of the Foreign Languages

Chairman: PROFESSOR M. KIMBERLY SPARKS

Classics
French
German
Russian
Spanish and Italian

Division of the Social Sciences

Chairman: PROFESSOR WILLIAM B. CATTON

Economics
History
Political Science
Psychology
Sociology—
Anthropology
Teacher Education

Division of the Natural Sciences

Chairman: PROFESSOR GRANT H. HARNEST

Biology
Chemistry
Geography and Geology
Mathematics
Physical Education
Physics

AMERICAN LITERATURE

Professors: H. P. Beck[1], H. M. Munford (*chairman*); Assistant Professor: J. Conron; Instructor: P. A. Stitt

Mr. E. A. Martin, Mr. R. Pack

The major in American Literature is expected to develop an understanding of the major figures and the chief literary movements as manifested in the writings of both major and secondary figures. The interplay between the general culture and literature and the relationship of writers to one another are emphasized.

Required for the major: AL 201 and 202; AL 301 and 302; four other term courses in the Department; the Senior Program. Each major is required to take at least two courses in American history and two term courses in a non-American literature, the courses to be determined in consultation with his Faculty Adviser.

The Senior Program consists in a Fall Term seminar and a program of Independent Study in the Spring Term, culminating in a General Examination. Independent Study is based on a background reading list and informal group discussions.

Honors Program: Departmental honors are awarded on the basis of a Senior Thesis. To qualify as a candidate for honors one must have had an average of 80 or over for his previous work in the Department. In consultation with his Faculty Adviser and with the approval of the Department, he will select a topic for independent investigation in the Spring of his Junior year. In the Senior year he will take AL 700 (Senior Research) in the Fall Term and in either the Winter or the Spring Term.

An oral examination will be given on the thesis. The examination will be given by two members of the Department and one person from outside the Department. Highest Honors will be granted for a grade of 93 or above, High Honors for a grade of 89 to 92, Honors for a grade of 85 to 88 inclusive. For Honors in any of these categories he must also have a final average of 80 for all work in the Department and a mark of 85 on the General Examination.

AL 201 American Literature Fall, Spring

A study in the growth of American literature from the seventeenth century through the first half of the nineteenth century, as emerging from its cultural backgrounds, and the significance of its major writers: Edwards, Franklin, Cooper, Irving, Poe, Hawthorne, Emerson, Thoreau, and others. Staff

AL 202 American Literature Fall, Spring

A study of the major writers from the second half of the nineteenth century to the present, with emphasis on particular works and their relevance to the more important traditions in American literary history. (AL 201). Staff

AL 301 The American Novel Fall

The development of the American novel; the meaning and structure of the novels of the nineteenth century focusing on particular novels of Cooper, Hawthorne, Melville, Twain, Howells, James, Crane, Norris, and Dreiser. (AL 202 or permission) Mr. Munford

AL 302 The American Novel Spring

An analysis of thematic and structural aspects in representative American novels of the twentieth century with concentration on Cather, Dos Passos, Fitzgerald, Hemingway, Faulkner, Wright, Ellison, Malamud, and Bellow. (AL 301) Mr. Munford

1: On leave 1970–71

AL 401 The American Short Story Spring
A study of the development of short prose fiction in America from Washington Irving to the present time. The history of the short story form, techniques, and changing point of view will be considered with special regard to Hawthorne, Melville, James, Crane, Fitzgerald, Hemingway, and others. (AL 202 or permission). MR. CONRON

AL 402 Emerson, Melville, Whitman, Poe Fall
A study in depth of selected works of four major American writers emphasizing their relationship in the context of the time. Offered in alternate years. (AL 202 or permission). MR. STITT

AL 403 The American Landscape in Prose Fall
The evolution of American attitudes towards the natural landscape and of the 'spatial' literary forms designed to express those attitudes: the sketch, and the travelogue (whether in journal or more finished form), the descriptive essay and the fiction of local color. To be considered: works by Bartram, Audubon, Jefferson, Lewis and Clark, Mark Twain, Loren Eiseley, Gary Snyder and others. (AL 202 and permission). MR. CONRON

AL 404 Modern American Poetry Spring
An introduction to the style and thought of Robinson, Frost, Stevens, Williams, Cummings, Crane and Roethke. Special attention will be paid to the theme of the poem as cure—what Stevens calls "a cure of the ground" and what Frost calls "a stay against confusion." MR. PACK

[AL 405 American Criticism]
A survey of American literary criticism from the beginnings to the present day. The first third of the course will deal with such pre-twentieth century critics as Poe, Emerson, Whitman, Bryant, J. R. Lowell, and Henry James. The remainder of the course will center on modern criticism and will attempt to acquaint the student with the most important modern theoretical and practical approaches to literature. In addition to Wellek and Warren's *Theory of Literature* and Northrop Frye's *Anatomy of Criticism*, the work of such critics as Eliot, Ransom, Tate, Wimsatt, and Kenneth Burke will be studied. (AL 202 or permission). Given in alternate years; not offered 1970–71.
MR. STITT

AL 407 American Biography Fall
A study of the growth of the American mind in the context of social and intellectual backgrounds, exemplified in the Puritan biographies and in the autobiographies of U.S. Grant, Henry Adams, Lincoln Steffens, James Baldwin, Malcolm X, and in the biographies of Lee, Lincoln, Henry Ford, and others. (AL 202 *or* one year of American history). (Given in alternate years). MR. MUNFORD

AL 409 Seminar: William Faulkner Fall
The major novels and stories will be read and discussed in seminar. Works to be considered intensively are: *The Sound and the Fury; As I Lay Dying; Sanctuary; Light in August; Absalom, Absalom!; The Wild Palms; The Hamlet; Go*

Down, Moses; with more rapid, extensive reading of *The Unvanquished, Intruder in the Dust, Requiem for a Nun,* and *The Reivers.* Participation in all seminar meetings is expected; reports in seminars, two short papers, and a longer seminar paper are the formal requirements. (Juniors and Seniors. Permission). MR. MARTIN

AL 410 Seminar: Studies in Contemporary American Poetry Spring
A detailed study of the most important post-World War II American poets and poetic movements. Attention will be paid to such schools of poetry as the Projectivist, the Deep Image, and the Confessional, and to such individuals as John Berryman, Robert Lowell, Denise Levertov, James Wright, Robert Bly, W. S. Merwin, Galway Kinnell, as well as others. (Permission). (Given in alternate years). MR. STITT

[**AL 412 Folklore and Mythology**]
An analysis of the backgrounds of American folklore with emphasis on the material as it serves both to form our cultural heritage and shape American Literature. Offered in alternate years. Not offered in 1970–71. (AL 201 or permission). MR. BECK

AL 500 Special Research Fall and Spring
Open to qualified majors. (Permission). STAFF

AL 700 Senior Research Fall, Winter, Spring
For Senior majors who are candidates for Departmental Honors. STAFF

AL 704 Senior Seminar Fall
A study of general topics based upon selected readings of fiction, poetry and drama and on the students' general knowledge of the field of American Literature. Each student will present a short report and write a paper on a topic to be chosen in consultation with one of the participating faculty members. (Senior Majors). STAFF

AL 705 Independent Study Spring
Group discussion based on a reading list of historical and critical studies. The discussions and readings are designed to prepare the student for the General Examination, in which he will be expected to make informed statements about literary relationships and the interplay of literature and the general culture. (Senior Majors).

ART

Professors: R. F. REIFF, A. RICHARD TURNER (*chairman*); Artists-in-Residence with the rank of Assistant Professor: D. A. BUMBECK, R. B. MUIRHEAD; Instructors: G. M. ANDRES, J. M. HUNISAK

In the belief that experience in both the practice and history of art constitutes the most rewarding major program, the department requires both AR 101, *Introduction to the Visual Arts* and AR 102, AR 103, *Introduction to Design,* of its beginning students. Satisfactory completion of these courses qualifies a student for the major.

A student may complete his course requirements in either of two ways:

Alternative A: six additional courses in the history of art.

Alternative B: four additional studio courses, and four additional courses in the history of art, two of which shall have as their subject matter, art before 1800.

The Senior program consists of a thesis, or creative project. Normally a student will elect one course unit of Independent Study in each of the three terms of his/her senior year. Honors are not the culmination of a separate program, but are awarded to a student who does outstanding work in the regular Senior Independent Study program.

AR 101 Introduction to the Visual Arts Fall and Spring
An introduction to form and meaning in the arts of sculpture, architecture, and painting. Major figures and movements of western art will be considered in lectures, while the student will be encouraged to develop his own critical sense through preceptorial discussion and short papers on original works of art. Two lectures and one discussion period. Open to freshmen and sophomores, and to upperclassmen by permission. STAFF

AR 103 Introduction to Design Fall
Line, color, form, subject matter and composition are studied separately and together in projects related to picture making so as to increase the students' comprehension of the picture as an expressive, visual language. Limited to 30 students. (AR 104 must be passed before credit for AR 103 will be given.) Does not satisfy Group A requirement.
MR. BUMBECK, MR. MUIRHEAD

AR 104 Introduction to Design Spring
Design in the arts with special emphasis of sculptural and architectural problems. (AR 103) Limited to 30 students. Does not satisfy Group A requirement. MR. BUMBECK, MR. MUIRHEAD

AR 201 Art of the Italian Renaissance Fall
A selective survey of Italian art and architecture from 1250 to 1600, with an emphasis upon leading masters seen in their artistic, intellectual, and religious context. MR. TURNER

AR 202 Modern Painting and Sculpture Spring
Major artists and movements of the last one hundred years, beginning with the Impressionists and concluding with art of the 1960's. Stress will be placed on the evolution of twentieth century styles, and their relation to main currents of contemporary thought. Open to freshmen who have taken AR 101. MR. REIFF

[AR 203 The Art of India and the Near East]
An historical survey of the architecture, painting and sculpture of India from the Indus Valley Civilization to the close of the Mughal period; and of the Near East from Sumerian times until the early 16th century. Religion, philosophy, aesthetic theory, iconography, history and social conditions are considered in relation to the art. No previous knowledge of this material is presumed. Offered in alternate years. Not offered in 1970–71.

AR 204 The Art of China and Japan Fall
An historical and stylistic survey of the painting, sculpture, ceramics, jades, architecture, and bronzes of China and Japan. History, religion, artistic

theories, and techniques are studied to provide students with a sufficient background. While no previous knowledge of Oriental cultures is required, AR 203 is recommended. Offered in alternate years. MR. REIFF

AR 205 Figure Drawing Fall
A studio course in the discipline of figure drawing. Working from the model, the student will make intensive study drawings concerning problems of proportion, distortion, scale, and motion. Limited to 30 students. Does not satisfy Group A requirement. MR. BUMBECK, MR. MUIRHEAD

AR 206 Figure Drawing Spring
A continuation of AR 205, open to those who have not had AR 205 only by permission. Does not satisfy Group A requirement.
MR. BUMBECK, MR. MUIRHEAD

AR 301 Modern Architecture Spring
The Western tradition in architecture since the Industrial Revolution. A survey of the men, monuments, and developments that established the aesthetic, social, and technological background for our contemporary architectural scene. MR. ANDRES

AR 302 Baroque Art in Europe Spring
During a given year a major aspect of European art between 1600 and 1750 will be considered. In 1970–71 the subject will be the art and architecture of the Italian Baroque. MR. HUNISAK

AR 303 Northern Renaissance Art Fall
Northern European art from the fourteenth to the mid-sixteenth century. Problems of style and iconography will be discussed, with stress upon such figures as Claus Sluter, Jan van Eyck, Hugo van der Goes, Dürer, and Bruegel. MR. REIFF

AR 305 Art of the Nineteenth Century Spring
A stylistic analysis of European painting and sculpture and a study of its development from the Rococo period through Impressionism. The art of such artists as Watteau, Goya, David, Delacroix, Friedrich, Constable, Courbet Manet, the Pre-Raphaelites, the French Academicians, the Macchiaioli, as well as such sculptors as Rodin, Rude, Medardo Rosso, and many others will be considered. MR. REIFF

AR 307 The Art of the City Fall
A study of Man's most complex and critical physical monument. The city (historical and "ideal") will be surveyed from antiquity to the present in an investigation of its changing purposes, elements, and organization. Two lectures, one discussion. MR. ANDRES

AR 308 The Will to Abstraction Spring
Beginning with the art of the earlier twentieth century, the course will then consider a particular historical sequence in order to raise general questions about modes of abstraction in art. In 1970–71 the sequence will be from

late classical through earlier medieval art. (AR 101, or another history course). MR. TURNER

AR 309 Painting Fall
An introductory course in the practice of painting. The first semester will be exploratory in character. The student will use various media (charcoal, pencil, ink, and paint) in order to establish a working familiarity with the forms of composition and picture-making. Limited to 30 students. (AR 103, AR 104 or permission). Does not satisfy Group A requirement.
MR. MUIRHEAD

AR 310 Painting Spring
A continuation of AR 309. Emphasis will be placed on the possibility and capacity of one medium, oil paint, to give substance to the student's sensory images of sight and touch. Limited to 30 students. (AR 103, AR 104, AR 309 or permission). Does not satisfy Group A requirement. MR. MUIRHEAD

AR 315 Printmaking Fall
Studio instruction in traditional and contemporary methods of intaglio and relief printmaking. Critical emphasis on the union of the printmaking craft with problems of drawing, painting and design. Limited to 20 students. (AR 103, AR 104 or permission). Does not satisfy Group A requirement.
MR. BUMBECK

AR 316 Printmaking Spring
A continuation of AR 315. Same size limitation and prerequisites. Does not satisfy Group A requirement. MR. BUMBECK

AR 401 Seminar in Modern Art Fall
A major sequence or issue in nineteenth and twentieth century art will be considered in a given year. In 1970–71 the subject will be Cubism and Surrealism. Limited to 15 juniors and seniors. Permission. MR. HUNISAK

AR 402 Seminar in Renaissance Art Spring
A major figure, stylistic or iconographical question, or movement will be considered in a given year. In 1970–71 the subject will be the development of Italian sculpture from the Pisani through Donatello. Limited to 15 juniors and seniors. Permission. MR. HUNISAK

AR 500 Advanced Studies in the Visual Arts
Supervised independent work in art history or studio. STAFF

AR 700 Senior Independent Study
Normally to be elected by every senior departmental major each of the three terms of senior year. STAFF

BIOLOGY

Professors: D. J. MCDONALD, G. B. SAUL, II (*chairman*), H. E. WOODIN; Associate Professor: D. B. VAN VLECK; Assistant Professors: M. S. GREENWOOD, C. D. WATTERS; Associate: W. H. BELL

The Department of Biology offers programs of study in a broad spectrum of areas, ranging from life processes at the molecular level to the interrelationships of whole organisms and

their environments. The Major Program is designed to enable the liberal arts student to understand the biological world and man's role in it, as well as to prepare students for graduate and professional schools. The Department is well equipped to offer laboratory study and student research opportunities in many areas. In addition, the geographical location of Middlebury College, with thousands of acres nearby owned by the College or within the Green Mountain National Forest, provides an excellent outdoor laboratory for ecological studies.

Each student electing a Biology major must plan his program of courses in close consultation with a faculty adviser within the Department. This program will include BI 101, BI 410, other Biology courses to bring the total within the Department to at least 10, and at least 5 cognate courses chosen from the offerings of other departments within the Science Division. This procedure is intended to allow the student maximum flexibility in designing a major program which fits his individual interests while providing him the guidance needed to avoid mistakes which might hamper his future career.

A separate, joint major with Chemistry has been developed to enable students to study aspects of both fields without having to take all the courses prescribed for a pure major in either field. The Department also participates in the interdisciplinary Environmental Studies major (see Page 22). Special major programs involving biology and other fields may be arranged to suit individual needs.

Students planning careers which require graduate or professional school training involving biology are advised that such schools commonly expect applicants to be familiar with the subject matter included in Biology: BI 201 or BI 202, BI 203, BI 314, and BI 407; Chemistry: CH 101, CH 241, and CH 242; Mathematics: MA 112; and Physics: PH 109, and PH 110. Some medical and graduate schools expect additional courses in mathematics and chemistry. Students who anticipate applying to graduate or professional school programs will be urged by their advisers to include appropriate courses in their programs.

The Department admits a limited number of graduate students as candidates for the Degree of Master of Science in Biology. The requirements of this program are detailed on page 40, and include research, a thesis, an oral examination, and some assisting in undergraduate laboratories.

Courses designated with an asterisk* may be taken without laboratory under the following conditions: (1) only students who have satisfied the Group C requirements are eligible. (2) The stated prerequisites for the course must be met. (3) Students majoring in Biology or jointly in Biology and other subjects may not count such courses toward the fulfillment of the major.

Required for a Major: BI 101; BI 410; elective courses within the Biology Department; 5 cognates chosen within the Science Division.

Recommended: see list above, advised as preparation for graduate and professional schools.

Required for a Joint Major in Biology and Chemistry: see page 55.

Honors Program: students should apply during the Spring Term of the Junior year. Honors are awarded on the basis of an Advanced Study (BI 500) project of superior quality and satisfactory completion of requirements to be specified by the Department.

BI 101 General Biology Fall

An introduction to principles selected for their importance to students beginning a Biology major, as well as those fulfilling the science (Group C) requirement. Relations of organisms to their environments; fundamentals of physiology, development, genetics, and evolution. 3 hrs. lecture, 3 hrs. laboratory. STAFF

BI 102 General Biology Spring

Topics selected for their importance to liberal arts students fulfilling the science (Group C) requirement. The diversity of plants and animals, animal

behavior, topics in human biology, human genetics, parasitism and disease, and ecology. This course should not be elected by students who have decided to major in Biology or jointly in Biology and Chemistry. 3 hrs. lecture, 3 hours laboratory. (BI 101). STAFF

***BI201 Invertebrate Biology** Fall
The invertebrate phyla, which include the great majority of animals, will be discussed partly from an evolutionary standpoint based on their morphology and embryology, and partly from a functional viewpoint which will emphasize adaptions of living forms in terms of their physiology, ecology and behaviour. The laboratory will concentrate on the former aspect through the examination of living and preserved specimens, the lectures on the latter. A term paper will be required from each student, and will form the basis of a class presentation. Some field collection will be expected from the students; and a week-end field trip to the Atlantic coast may be sponsored by the Department on a voluntary basis. (BI 101). 3 hrs. lecture, 3 hrs. laboratory. MR. MCDONALD

***BI 202 Biology of Vertebrates** Fall
The evolution of organs and organ systems in Phylum Chordata, with emphasis on the higher vertebrates. Brief treatment of comparative embryology. Laboratory study of shark, Necturus, and cat, designed to supplement lectures and develop skill in dissection. (BI 101 or permission). 3 hrs. lecture, 6 hrs. lab. MR. VAN VLECK

***BI 203 Plant Form and Function** Fall
The structure and physiology of higher plants. Photosynthesis, water relations, ion and organic movement all will be discussed with regard to the structure of the organs involved. Limited coverage of plant taxonomy and the evolution of reproduction. Four or five laboratory exercises and one experiment to be conceived and performed by the student are required. (BI 101, CH 241). 3 hrs. lecture, 4 hrs. laboratory. MR. GREENWOOD

BI 204 Plant Growth and Development Spring
The morphology and physiology of meristems, and the development of plant tissues and organs will be examined. The physiology of flowering and of the plant growth substances will be discussed. Four laboratory exercises, one experiment to be conceived and performed by the student, and one seminar presentation are required. (BI 101). 3 hours lecture, 4 hours laboratory. MR. GREENWOOD

BI 208 Developmental Biology Spring
The normal development of organisms, including fertilization, differentiation and morphogenesis, as well as the phenomena of regeneration and carcinogenesis. Laboratory will include observation of living and preserved, sectioned embryos, and experimental approaches to various developmental problems. (BI 101). 3 hrs. lecture, 4 hrs. laboratory. MR. WATTERS

[BI 307 Histology and Histological Techniques]
The microscopic structure of animal cells, tissues and organs is correlated

with their function. Strong emphasis is placed on identification of tissues. Students are taught standard techniques for preparing tissues for study and prepare many of their own slides. Students elect individual problems. The course will prove most useful to those contemplating careers in research biology. (Permission of instructor. BI 201, BI 208 recommended). 2 hrs. lecture, 6 hrs. laboratory. Not offered 1970–71.

BI 311 General Ecology Fall

The organism in relation to the abiotic environment. A critical investigation of how the physical and chemical microclimates of fresh-water, marine and terrestrial habitats affect the position and number of organisms. Laboratory exercises include mostly field trips to study environmental parameters with one or more weekend trips to study a lake as a sample ecosystem. Each student will write a paper, as if for publication, dealing with independent research carried on throughout the semester. (BI 101). 3 hrs. lecture, 6 hrs. laboratory: includes 3 hrs. arranged for individual research problem.

MR. WOODIN

BI 312 General Ecology Spring

The organism in relation to the biotic environment. The inter- and intra-specific reactions of an organism to other organisms at all levels of social organization. Laboratory exercises include field trips to study animal behavior and organization using infra-red, radiotelemetry devices, and controlled laboratory use of radioactive tracers to study food chains. Each student will write a paper, as if for publication, dealing with independent research carried on throughout the semester. (BI 311 or permission). 3 hrs. lecture, 6 hrs. laboratory: includes 3 hrs. arranged for individual research problem.

MR. WOODIN

***BI 314 Genetics** Spring

Lecture topics include the nature and action of hereditary material, statistical analysis, linkage, mutations, chromosome aberrations and polyploidy, and population genetics. Developmental aspects and evolutionary implications are stressed. Laboratory study is designed to introduce some major organisms and techniques used in research, and includes training in analyzing and reporting data. (BI 101). 3 hrs. lecture, 3 hrs. laboratory. MR. SAUL

***BI 316 Animal Behavior** Spring

A review of recent developments in the field of the behavior of invertebrates and vertebrates, with particular emphasis on the evolution and ontogeny of behavioral patterns, and some consideration of the physiological and neurological mechanisms underlying them. The laboratory will include both set experiments and independent investigations, the latter with fish and with local animals. (BI 101 or permission). 3 hrs. lecture, 3 hrs. laboratory.

MR. MCDONALD

BI 401 Advanced Genetics Fall

A seminar course, involving discussion of selected topics of current interest in various aspects of genetics, and based on assigned readings and student and

faculty presentations of relevant journal literature. (BI 314 and permission).
Mr. Saul and Mr. McDonald

BI 404 Comparative Physiology Spring
The principal physiological processes of animals, with emphasis on the diversity of mechanism between and within different groups of animals. Consideration of function primarily at the level of organs and organ systems. Laboratory designed to acquaint students with diversity of quantitative techniques. (BI 101, CH 241 or permission). 3 hrs. lecture, 4 hrs. laboratory. Breakage Fee. Mr. Van Vleck

BI 407 Topics in Cellular Biology Fall
Emphasis on the integrative organization of cellular structure and function, especially with respect to the acquisition, transformation, and utilization of energy. A critical and experimental approach to the study of cellular phenomena will be stressed and in part will involve physical and chemical concepts and methods. Laboratory experiments are designed to implement this approach, and students will undertake an independent project during the course of the term. (BI 101, CH 241 or permission). 3 hrs. lecture, 4 hrs. laboratory. Mr. Watters

BI 410 Adaptation and Evolution Spring
An attempt to present a synthesis of biological knowledge in the light of both individual adaptation at various levels of organization, and of population evolution. The course will be presented in the form of general seminars based on common readings, and special seminars to be presented by individual students and staff. Required of all biology majors in their senior year. 3 hours of seminar discussion. Staff

BI 500 Advanced Study Fall and Spring
A project involving laboratory research or extensive library study on a topic chosen by the student and a faculty adviser. For majors in Biology. (Permission). Staff

BI 900 Research and Thesis Fall and Spring
Required for all candidates for the Master's degree. Staff

CHEMISTRY

Professors: G. H. Harnest (*chairman*), W. A. Moyer[1], E. K. Roberts; Associate Professors: R. W. Gleason, E. L. Pool; Assistant Professors: D. B. Ledlie, R. D. Nelson, C. W. Scaife.

Majors offered in the Department of Chemistry are described below. Students who plan a professional career in this field should elect the Certified Major because it provides a thorough training in the fundamentals of Chemistry and its relation to other scientific fields, medicine, engineering and related subjects. The Chemistry Department is accredited by the Committee on the Professional Training of Chemists of the American Chemical Society, and majors who wish to be accredited by the Society should have their programs approved by the Chairman of the Department early in their college career.

1. On leave 1970–71

Required for a Major: CH 101[2], CH 111, CH 131, CH 241, CH 242, CH 351, and two other courses in the department; Mathematics: MA 112, MA 113; Physics PH 109, PH 110; and Senior Work (CH 700). Three course credits will be awarded for the Independent Study-Senior Thesis work. Qualified students may substitute Honors work for three units of Independent Study-Senior Thesis work.

Required for a Certified Major: Students who wish to be certified by the American Chemical Society may complete a Major in Chemistry with the following courses: CH 101[2], CH 111, CH 131, CH 241, CH 242, CH 311, CH 351, CH 352, CH 431, CH 441, and one other semester course in the department; Mathematics: MA 112, MA 113, MA 201, MA 202; Physics: PH 109, PH 110; and Senior Work. A reading knowledge of German or Russian is required. The certified major is designed to qualify a student for advanced work in graduate schools or for positions in the chemical industry.

Joint Major in Biology and Chemistry. Required for a Major: Biology: BI 101, BI 202, BI 407, and two electives; Chemistry: CH 101[2], CH 111, CH 131, CH 241, CH 242, CH 351, and one elective; Mathematics: MA 112, MA 113; Physics: PH 109, PH 110; and Senior Work. Senior work in the Joint Biology-Chemistry major is equivalent to three course units. The student may choose three units of Chemistry 700, or two units of Biology 500 and an additional Biology elective, or three upper level electives—one in Biology, one in Chemistry, and the third chosen from Biology, Chemistry, Mathematics, or Physics. Qualified students may substitute honors work for either of the first two options. Joint majors in Biology and Chemistry must have a reading knowledge of French, German, or Russian.

Masters Degree in Chemistry. A Program leading to the Master of Science degree is offered for a limited number of qualified students holding a B.A. or B.S. degree. Refer to page 40 of this catalogue for general regulations concerning graduate work. Each candidate for the Master's Degree in Chemistry must pass qualifying examinations in the fields of Physical Chemistry, Analytical Chemistry, Organic Chemistry, and Inorganic Chemistry. Participation in laboratory teaching and preparation is a degree requirement. In addition, each candidate must complete a Thesis Research Program and successfully defend this work in an oral examination. Programs are arranged through consultation with the Chairman of the Department.

A deposit fee to cover cost of broken apparatus is charged in each laboratory course, to be paid at the beginning of each term.

CH 101 Fundamentals of Chemistry Fall and Spring

Fundamental principles of Chemistry. Atomic theory and atomic structure, chemical bonds, stoichiometry, kinetic theory and the states of matter. Problem drill, conferences. Laboratory work deals with the testing of theories by various quantitative methods. Students with adequate secondary school preparation are encouraged to consult the Department for permission to elect Chemistry CH 111, CH 131, or CH 241 in place of this course. Two sections in Fall; one in Spring. 3 hrs. lect., 4 hrs. lab. Breakage Fee. STAFF

CH 111 Analytical Chemistry I Fall and Spring

Extensive treatment of mass action theory (ionic equilibrium) concerned mainly with ionization of strong and weak electrolytes, buffers, hydrolysis, solubility of difficultly soluble substances, complex formation, oxidation-reduction systems, and quantitative measurements involving these phenom-

2. CH 101 is the normal introductory course in Chemistry. However, students may qualify for permission to omit CH 101 and begin their studies in Chemistry with CH 111, or CH 131, or CH 241. Consult the Chairman of the Department.

ena. Laboratory work is mainly titrimetric analysis with some gravimetric methods. (CH 101 or permission). 3 hrs. lect., 6 hrs. lab. Breakage fee.
Mr. Pool

CH 131 Systematic Inorganic Chemistry Fall and Spring
A systematic study of the elements and their compounds based on the Periodic Table. The isolation of the elements from their natural sources, and the synthesis of some important types of inorganic compounds. The properties of selected elements and their compounds are discussed in class and/or studied in the laboratory using various analytical methods. (CH 101 or permission). 3 hrs. lect., 3 hrs. lab. Breakage fee. Mr. Scaife

CH 241, CH 242 Organic Chemistry I and II Fall and Spring
An introduction to the study of the compounds, both aliphatic and aromatic, of carbon. The approach is based on the properties of functional groups with considerable emphasis on electronic theory and reaction mechanisms. Laboratory exercises involving the synthesis of organic compounds, the analysis of various classes of compounds and the identification of unknowns complement the lecture material. (CH 101 or permission; CH 241 must precede CH 242). 3 hrs. lect., 6 hrs. lab. Breakage fee.
Mr. Gleason, Mr. Harnest

CH 311 Analytical Chemistry II—Qualitative and Quantitative Separations Spring
Principles and theory of separations, both qualitative and quantitative, involving chemical and physical methods: separations by precipitation, distillation, extraction, chromatography, ion exchange, and others. Instrumental methods for separation and analysis. Sampling, dissolution, errors, and atomic weight determination. Laboratory work in qualitative and quantitative inorganic analysis, selected instrumental methods, and an individual project involving separation. (CH 351, co-req. CH 352). 3 hrs. lect., 6 hrs. lab. Breakage fee. Mr. Pool

CH 351 Physical Chemistry I Fall
A basic study of thermodynamics and the properties of the gaseous and liquid states. The laws of thermodynamics are developed and applied to chemical equilibria and electrochemistry. The physical properties of gases, liquids, and solutions are discussed and interpreted through thermodynamics. Chemical kinetics is treated empirically. (CH 111; Mathematics: MA 112, MA 113; Physics: PH 109 or permission). 3 hrs. lect., 4 hrs. lab., 1 hr. conf. Breakage fee. Mr. Nelson

CH 352 Physical Chemistry II Spring
An introduction to the Schrodinger equation is followed by a treatment of a particle in various types of potential wells. The valence bond, molecular orbital, and ligand field theories are illustrated with examples from organic and inorganic chemistry. Spectroscopy and photochemistry serve to illustrate quantum effects. The solid state and solid-liquid equilibria are discussed. Finally the kinetics of complex reactions are analyzed. (CH 131, CH 242,

CH 351; Mathematics: MA 201; Physics: PH 110). 3 hrs. lect., 4 hrs. lab. Breakage fee.
Mr. Roberts

CH 411 Analytical Chemistry III Spring
Principles and theory of analysis by instrumental methods. Topics include basic electronics, instrumental design, ultraviolet, visible and infrared spectrophotometry; refractometry; potentiometric titration methods; polarography; conductance methods; differential thermal analysis; x-ray fluorescence; and others. Laboratory work involves electronic circuits and selected methods of instrumental analysis. (CH 311). 2 hrs. lect., 3 hrs. lab. Breakage fee.
Mr. Nelson

CH 421 Biochemistry Fall
A study of the classification, structures, and chemistry of lipids, proteins, and the nucleotides. Enzyme nomenclature and the classification and characteristics of enzymes. Digestion, absorption, and metabolism of lipids and proteins. (CH 242, CH 351, or permission; Biology BI 101 is recommended). 3 hrs. lect.
Mr. Ledlie

CH 422 Biochemistry Spring
A study of the classification, structures, and chemistry of carbohydrates. Biological oxidation systems and bioenergetics. Digestion, absorption, and metabolism of carbohydrates and interrelationships with lipid and protein metabolism. Optional laboratory work involves individual projects dealing with various biochemical techniques. (CH 242, CH 351, or permission; Biology: BI 101 is recommended). 3 hrs. lect., 3 hrs. lab. optional. Breakage fee.
Mr. Ledlie

CH 431 Advanced Inorganic Chemistry Fall
Atomic structure; molecular structure by valence bond and molecular orbital treatment; transition metal complexes according to valence-bond, molecular orbital, crystal field, and ligand field theories. Relations of atomic and molecular structure to chemical and physical properties. Other topics such as crystal chemistry, acid-base theories, solvent systems, and nuclear chemistry. (CH 131, CH 242, CH 352; Physics: PH 110). 3 hrs. lect.
Mr. Scaife

CH 441 Organic Chemistry III—Qualitative Organic Analysis Fall
Methods of identification of organic compounds taking advantage of characteristic reactions of various functional groups are considered in some detail in connection with the first several laboratory assignments. Heavy reliance on modern methods of analysis, infrared, ultraviolet, nuclear magnetic resonance and mass spectroscopy will be encouraged as the course proceeds. The course culminates in the separation and identification of the components of a mixture containing three to five compounds. (CH 111, CH 242). 1 hr. lect., 6 hrs. lab. Breakage fee.
Mr. Gleason

CH 442 Advanced Organic Chemistry Spring
An introduction to physical organic chemistry in which an extensive treatment of polar displacement and elimination reactions is included. Also

considered are the relationship of structure to reactivity (the Hammett equation), general and specific acid and base catalysis, the mechanism of electrophilic and nucleophilic aromatic substitution reactions. (CH 242, CH 351). 3 hrs. lect. Offered in alternate years. MR. LEDLIE

[CH 443 Advanced Organic Chemistry]
A study of some of the more important special topics of organic chemistry including advanced synthesis in general with specific treatment of the following: reactions of active methylene compounds; structure determination of complex natural products; peptide synthesis and sequential analysis; introduction to the steroids; selected name reactions and rearrangements. (CH 242). 3 hrs. lect. Offered in alternate years. Not offered in 1970–71.

CH 451 Physical Chemistry III Fall
A more detailed investigation of the interaction of matter and energy on the molecular level. The bases of statistical thermodynamics are developed and illustrated with ideal systems and theories of chemical kinetics. An advanced study of the electromotive force and the thermodynamics of solutions follows, making extensive use of chemical potential and activity. (CH 352). 3 hrs. lect. MR. ROBERTS

CH 500 Independent Study Project Fall, Winter, Spring
Individual Study for qualified students. Permission. Breakage fee. STAFF

CH 700 Senior Work: Independent Study-Senior Thesis
Fall, Winter, Spring
Senior majors register for three course equivalents, normally one each in the Fall Term, Winter Session, and Spring Term. The student plans and carries out a laboratory research project, generally related to current faculty research interests. This work is culminated by the writing of a Senior Thesis and its defense in an oral examination. Breakage fee. STAFF

CH 900 Graduate Research Fall, Winter, Spring
Open to qualified candidates. Required of all candidates for the Master's Degree. Permission. Breakage fee. STAFF

CLASSICS

Professor: J. I. ARMSTRONG; Associate Professors: W. HARRIS, MISS U. M. HEIBGES[1]

The principal aims of courses in the Classics are to enable the student to attain a rapid and accurate reading knowledge of Greek or Latin, and then to read broadly while developing critical skill and a sense of the art of language. Greek and Latin literatures are understood to be an embodiment of deep spiritual and artistic concern, and the major literary achievements are studied in this light.

The four basic approaches to a Degree in Latin or Classics are:
1) Latin CL 101–2, CL 201–2, CL 301–2, CL 401–2, Independent Study, History HI 105–6, and the passing of the General Examination.
2) For students entering with higher qualifications: Latin CL 201–2, CL 301–2, CL 401–2,

1. On leave 1970–71

CL 500, History HI 105–6 and the passing of the General Examination. (Reductions of some parts of these requirements may be considered in the case of students doing a joint program with another language, Classics and English or Classics and Philosophy.)

The courses listed above constitute the basic major program which confers the degree of A.B. in Latin.

3) Upon completion of Greek CL 151–2 and CL 251–2, the student enters the fuller Classical Curriculum and is a candidate for the A.B. in Classics. Greek is necessary for an understanding of the fused Greco-Roman civilization, and the student is advised to begin Greek as early as possible, certainly not later than the sophomore year. This program would lead naturally to advanced study of any of the European literatures or to Comparative Literature. Requirements: 2) above and CL 151–2, CL 255, CL 351–2;
4) For the student planning later professional work in the Classics it is important to begin Greek in the freshman year in order to allow time for advanced work in the junior and senior years. Serious study of French and German should be started as these are basic, required ancillary disciplines for graduate study in the Classics. Most universities now require at least one of these languages on entrance to the graduate program. A student engaged in this full program may be exempted from History HI 105–6 in favor of work outside the immediate area of study.

Classics in Translation

CL 271 Greek Intellectual History Fall

Introduction to the history of the Greek mind through historical materials, satire and Old Comedy through New Comedy, lyric poetry, the beginnings of philosophy and Sophism. This course serves as prolegomena to the reading of Greek drama, although it is not a prerequisite course, and it does not require CL 272 for its completion. (Group A). Mr. Harris

CL 272 Greek Tragedy Spring

Extensive reading in Greek drama in English, with intensive study of selected plays. The student is introduced to the criticism of ancient authors with detailed attention to critical methods and some of their dangers. Historical background is presented as needed, and the student is rigorously introduced to the structural analysis of poetic discourse. (Group A).

Mr. Harris

Latin

[CL 101 Introduction to Latin]

This course presupposes no previous knowledge of Latin, but those with a weak background may enter with the instructor's permission. An inductive method is used and the synthetic concept of grammar is elicited from careful reading of texts of literary worth, rather than presented paradigmatically at the outset. A great part of the work is oral and tapes for the study of frequency-graded vocabulary are used. By the end of the first term the student should be able to read a text of intermediate difficulty with aid of the dictionary, and should be able to begin Augustan literature. Not offered in 1970–71.

[CL 102 Vergil and Livy]

During the first month the student is introduced to Vergil's language and

style. He is then given a large reading assignment in Vergil, which he will complete in great part on his own by the end of the term. The next month provides him with a similar introduction to Livy's prose, with occasional class periods devoted to questions in Vergil that may arise. During the last month the student reads on his own parts of Vergil and Livy, while the meetings turn to the bases of structural analysis of creative art, with poems of Catullus, Horace and Propertius studied in class.

The first term provides a basic reading technique; the second term should bring the student to the threshold of college level work in Latin. The course serves as an introduction to prospective majors who have had no Latin or poor training, in which case it should be taken in the freshman year. For students in the Humanities who wish to minor or take a joint program with Latin, the course should be taken not later than the sophomore year. Not offered in 1970–71.

[**CL 201 Introduction to Authors in a Social Context**]
This course provides a wide selection of examples from Roman Literature, both prose and poetry, which will be used to demonstrate the various dimensions in which a document can be perceived in relation to the social and historical mise-en-scene. The theory of this process will be fully discussed in class; in addition the student must prepare himself in ability to read Latin with an eye toward increased fluency and ultimate development of a reading knowledge. (CL 102 or three to four years of high school preparation, in which case confer with the instructor). Not offered in 1970–71.

[**CL 202 Introduction to Poetry**]
The course is directed toward a perception of the creative artistic use of Latin, and will investigate the spiritual qualities which make the poet as well as the formal and structural dimensions which are observable in poetic discourse. The poetry will be studied with no reference to historical actuality in order to focus the student's attention more fully on the inner structure of the poem as an artifact of words drawn through time. Not offered in 1970–71.

CL 201 and CL 202 serve for the language requirement. They can be taken in either order.

[**CL 301 and CL 302 The Earlier Literature**]
Of the following areas and topics one will be chosen to be given in the fall term and one in the spring term. Choice will depend on the needs of the students and special sequences will be determined from year to year.

a) Plautus and the early drama
b) Lucretius and Roman Philosophy
c) Love poetry: Catullus, Propertius, Tibullus
d) Cicero and his world
e) Lyric: Catullus and Horace

The work is conducted in small groups in which the student participates actively. Papers and seminar reports introduce the student to the secondary literature, while he develops his sense of the language by reading large sections of texts. The actual understanding of the language is at this point the

student's responsibility, and the classwork turns to historical, social and esthetic considerations. Group A. Not offered in 1970–71.

CL 401 and CL 402 The Later Period Fall and Spring
One of the following topics will be offered in the fall and one in the spring term. Choice will involve students' interest and the optimum effect of the sequence continuing from CL 301–2; these two years' work are conceived as a single program working intensively with some of the most important works from the two critical centuries in Roman culture.
a) Ovid
b) Satire: Horace, Persius, Juvenal
c) Tacitus
d) The Novel: Petronius and Apuleius
e) The Christian authors from Minucius Felix to Augustine. Group A.

CL 500 Fall and Spring
Special projects studied independently in greater detail. STAFF

CL 701 Senior Independent Work

CL 705 General Examination

Greek

[CL 151 Introduction to Greek]
No previous knowledge of the language is required. The first term will cover basic structure and vocabulary of Ancient Greek as a preparation for a reading knowledge of ancient Greek literature. Not offered in 1970–71.

[CL 152 Introduction to Lyric Poetry and Xenophon]
Starting with very careful reading of small portions of the text with grammatical analysis in class, the student will proceed with the aid of graded vocabulary tapes to a fairly fast pace of reading. Not offered in 1970–71.

CL 251 Homer: Iliad and Odyssey Fall
Fast reading of a considerable portion of the *Iliad* and *Odyssey* with introduction to the critical literature and secondary materials. Much of the classwork will be devoted to formation of an esthetic appreciation of Homer's work. (Group A). MR. HARRIS

CL 252 Introduction to Greek Drama Spring
Carefully guided reading in Euripides leading to one play of Sophocles, with sufficient reference to the intellectual history of the Greeks to make this singularly beautiful and difficult area meaningful. (Group A). MR. HARRIS

[CL 255 Greek Tragedy]
Group A. Offered in alternate years. Not offered in 1970–71.

[CL 351 Pindar and Aeschylus]
Group A. Not offered in 1970–71.

[CL 352 Plato and Thucydides]
Plato will serve as an introduction to Attic prose; as soon as the student can

work with the text with some facility, extensive readings will be assigned, and attention will turn to Thucydides. Not offered in 1970–71. Group A.

CL 550 Independent study Fall and Spring
Students will select an author or area not previously studied and work largely on their own, conferring weekly with the staff about problems in language and interpretation as they arise. STAFF

ECONOMICS

Professor: D. K. SMITH (*chairman*); Associate Professors: J. V. CRAVEN, K. H. WOLFF; Assistant Professors: T. H. HIBBARD[1]; J. T. WENDERS[1]; Instructor: M. A. CLAUDON

The Economics Department seeks to develop the student's capacity for economic analysis. This goal seems ever more appropriate as economic problems become more numerous and more complex. The departmental program is designed to provide a solid grounding in the discipline of Economics. This design serves well the needs of both the terminal major and the graduate school candidate.

The Principles course, open to members of all four classes, is a study of economic theory and its policy implications. It provides a foundation for more advanced work or a terminal course, depending on the student's interests and needs. Statistics and Accounting, which are also important tool courses, are usually taken during the Sophomore year. The two Class II or Class III courses required, one term of Intermediate Theory and one of application, are normally the center of interest during the Junior year. The three Class IV courses required are taken during the Junior or Senior year. The background of theory, quantitative methods, and application described above prepares the student for two terms of Independent Study, in the fall and spring terms of Senior year. Independent Study consists of research projects carried out under departmental direction. It is the natural culmination of the integrated program of the student majoring in Economics.

While it is possible for one to complete an economics major successfully without taking any formal mathematics courses, and the Economics Department does not require that any specific number of mathematics courses be taken for the major, it should be recognized that the use of mathematical reasoning and tools is necessary to modern economic analysis. In fact, every respectable graduate school in economics or business demands some mathematical training at the undergraduate level. From time to time certain college-level mathematics techniques will be employed in upper level economics courses at Middlebury and students should understand these techniques. While members of the Department will be glad to provide the appropriate references for individual study, most economics majors take at least two courses in mathematics, usually MA 101 and MA 112, during their Freshman or Sophomore years.

The Department serves as a clearing house for information on Graduate Schools in Business and in Economics. Students planning to do graduate work in Business or Economics should take Mathematics MA 101 and MA 112 and EC 418. Non-economics majors going to Business School should take at least EC 101, EC 102, EC 211 and 213 in addition. Any student planning to do graduate work in Mathematical Economics or Econometrics should take Mathematics MA 301 and MA 311.

Required for a Major in Economics: *All* Class I courses, *either* the Class II or Class III courses, *three* of the Class IV courses and *one* Winter course. (If a student chooses to take all of the Class II and III courses, he may then take only *two* Class IV courses.)

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1. On leave 1970–71

Class I	*Class II*	*Class III*	*Class IV*
EC 101	EC 305	EC 306	EC 401
EC 102	EC 316	EC 315	EC 402
EC 211			EC 403
EC 213			EC 404
EC 700 (two terms)			EC 405
			EC 418
			EC 495

Cognate Courses Strongly Recommended: History and Mathematics
Cognate Courses Recommended: Geography and Political Science

EC 101 Principles of Economics Fall
A study of the scope of Economics; economic systems; price theory; foreign trade; income distribution. STAFF

EC 102 Principles of Economics Spring
A study of the determination of income and employment; the banking system and monetary policy; fiscal policy; aspects of foreign trade not covered in EC 101. (The two semesters of Principles may be taken in either order). STAFF

EC 201 Contemporary Economic Problems Fall and/or Spring
This course is specifically designed for non-majors; no attempt will be made to cover all the fields of economics. Certain contemporary economic problems will be analyzed, and the relevant theoretical tools will be developed and applied problem by problem. As an aid to the instructor, each student will be asked upon registration to list those problems he would like to see analyzed in the course. Designed primarily for those Juniors and Seniors who have not had either EC 101 or EC 102. MR. WOLFF

EC 211 Economic Statistics Fall and Spring
Theory and interpretation of statistics. Introduction to probability theory, statistical inference, regression analysis, decision theory, index numbers, time series analysis.

EC 213 Principles of Accounting Fall and Spring
The philosophy of Accounting; accounting procedures with maximum emphasis on the theoretical considerations involved; proprietorship, partnership and corporate accounting. (This course is strongly recommended for all students planning for graduate study in law or business.) MR. SMITH

EC 305 Microeconomic Theory Fall
A detailed analysis of the pure theory of consumption and production employing indifference curve techniques throughout. Particular attention is given to the derivation of supply and demand functions in both product and factor markets from the maximizing behavior of firms and consumers. A general equilibrium model is presented as a unifying element. Relevant mathematical tools are developed as needed. (EC 101).

EC 306 Industrial Organization Spring
A detailed analysis of the behavior of the firm under varying market structures and the public policy implications. Emphasis is placed on modifica-

tions and extensions of the traditional theory of the firm as a tool for the analysis of existing market structures. Consideration is given to the dimensions of public policy throughout. (EC 101).

EC 315 Macroeconomic Theory Fall
A detailed analysis of the determinants of the level, growth, and fluctuations of national income, employment, and prices. The contributions of both the Classical and Keynesian theories are presented in a general equilibrium context. Modern theories of economic growth and business cycles are discussed. (EC 102). MR. CLAUDON

EC 316 Macroeconomic Policy Spring
A study of public policies affecting aggregate output, employment, prices, fluctuations and growth. The emphasis is upon fiscal and monetary measures as employed in the United States. (EC 102). MR. CLAUDON

[EC 401 Economic Growth]
A study of the attempts to broaden economic theory beyond static analysis toward a theory of dynamic change and growth. (EC 101 and EC 102). Not offered in 1970–71.

EC 402 The Economics of Development Spring
An analysis of history, theory, and competing contemporary policies for economic development. (EC 101 and EC 102). MR. WOLFF

EC 403 The Corporation and the Economy Fall
A study of corporate financing; the corporation as an object of public policy; the corporation viewed as a major influence in the economy. (EC 101). MR. CRAVEN

EC 404 Labor Economics Spring
Economics of manpower and the labor market; the role of unions; labor legislation. (EC 101). MR. CRAVEN

EC 405 International Trade Fall
A study of the economic basis of international trade and its impact on domestic and world economies. The emphasis throughout is upon theoretical analysis. Consideration is given to questions of public policy toward trade, the study of customs unions, and the relation of underdeveloped countries to the world economy. (EC 101 and EC 102). MR. CLAUDON

[EC 408 Government Finance]
Principles and practices relating to government revenues, budgeting and expenditures, incidence and effects of taxation; fiscal policy; the use of public credit. Not offered 1970–71.

[EC 410 Comparative Economic Systems]
An analysis of the alternative methods proposed and used for solving the universal economic problems under different social and political philosophies and forms of government. Not offered 1970–71.

[EC 415 and 416 Economic Thought and Modern Economic Tendencies]
A study of the great thinkers in Economics against the background of their times. Not offered 1970–71.

EC 418 Mathematical Economics Spring
A study of selected topics in economic analysis with the use of mathematical and statistical methods. (EC 101 and EC 102 and permission). STAFF

[EC 495 Research Seminar]
At the beginning of this course each student will select a topic on which he wants to do economic research. Under the direction of the instructor, he will proceed to develop a bibliography and detailed outline. The Seminar will meet as a group to study and discuss common problems of research methodology. Research results will be presented to the class. (Permission). Not offered in 1970–71.

EC 700 Independent Study

ENGLISH & DRAMA

Professors: P. M. CUBETA, D. J. LITTLEFIELD[1], R. PACK, H. B. PRICKITT (*chairman*), E. T. VOLKERT; Associate Professors: J. H. CLAGETT, R. W. HILL, E. A. MARTIN, C. A. POTTER; Assistant Professors: F. C. CABOT, B. TEUSH; Instructors: A. S. BARKER, M. S. GOHLKE, W. W. KERRIGAN, D. PRICE; Lecturer: D. DELETIS[2]; Associate: W. A. FREGOSI

Because of the varied nature of the Department's offerings, courses are differentiated by their second and third digits in the following manner:

Literature (00–19)	Theatre Arts (40–59)
Dramatic Literature (20–39)	Writing (60–79)

In registration the symbol ED is used to designate all courses offered by the Department. For example, the first semester of the required freshman course is designated: ED 101.

The Department offers majors in English Literature and in Drama.

Required for a Major in English are (1) Interpretation of Literature (ED 101) or Advanced Placement; (2) Interpretation of Literature: an Historical Approach (ED 201–202) or the Qualifying Examination. (Students may qualify for the English Major either by their standing in ED 201–202 or by the Qualifying Examination); (3) Distribution Courses: five courses in literature, one chosen from each of the following groups: A. ED 227, 307, 308, 404; B. ED 224, 303, 304, 321; C. ED 206, 305, 306; D. ED 207, 235, 313, 314; E. ED 208, 325, 326, 402, AL 302, AL 404; (4) the Senior Program.

The Qualifying Examination will test the student's ability to interpret literature critically and will examine his grasp and comprehension of a literary subject in an historical context. The Qualifying Examination will be offered twice: once during the regular examination period at the end of the second semester, when it will incorporate the final examination in ED 202, and again in September on the Friday morning before College begins. Any student, with the Department's permission, may take the Qualifying Examination whether he has been enrolled in ED 201–202 or not; a student who does not qualify during the

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1. On leave 1970–71
2. Part-Time

second-semester examination period may take the Qualifying Examination again in September, although his grade in ED 202 will not be affected.

The Senior Program in English includes a Senior Essay or Honors Thesis and the General Examination. The Senior Essay is a one-term project; the Honors Thesis is a two-term project. Majors who have taken a writing course and an independent study project in writing may elect to do a creative writing project as their Senior Essay or Honors Thesis. Each Senior is assigned to a faculty member for guidance in his essay or honors thesis. The General Examination receives one course-credit. The examination will be based on the ED 201–202 reading list of the Senior's sophomore year and on the reading list of the Distribution Courses. Each Senior is expected to review and reconsider the material of the ED 201–202 reading list of his sophomore year and of the reading lists of the five Distribution Courses of his choice. Departmental honors will be awarded on the basis of the Honors Thesis or on the basis of grades in the General Examination and the Senior Essay.

Required for a Major in Drama are (1) ED 101 or Advanced Placement; (2) ED 201–202 or the Qualifying Examination; (3) ED 141–142 and its examination as the qualifying program for the drama major; (4) Distribution Courses: four courses in dramatic literature including Greek and Roman, Shakespeare, and Nineteenth Century; (5) Two additional courses in the 40-series (theatre arts); (6) Participation in three production seminars, not necessarily for credit; (7) The Senior Program. Students choosing the drama major should select their advisers from among the drama staff prior to registering for sophomore year.

The Senior Program in Drama includes a Senior Project or Honors Project and the General Examination. (See details under English Major.) Each senior is expected to review and reconsider the material of the ED 201–202 reading list of his sophomore year; the reading lists of his Distribution Courses; the reading list of ED 141–142; and his work in other theatre arts courses. Honors will be awarded as for the English Major.

Recommended: Courses in the other arts (e.g., FA 101, 103, 104; MU 101); History (e.g., HI 103, 104, 319, 320); and Psychology (e.g., PY 229).

Literature

ED 101 Interpretation of Literature Fall and Spring
Close critical reading of the lyric and prose fiction. Frequent short critical papers. (Required of freshmen and a prerequisite for other courses offered by the Department). Does not satisfy Group A requirement. STAFF

ED 102 Interpretation of Literature Spring
Continuation of ED 101. Frequent critical papers. Permission. Does not satisfy Group A requirement. STAFF

ED 201 Interpretation of Literature: An Historical Approach Fall
Through discussion, lectures, papers, and independent study such writers and works as the following will be considered: *Sir Gawain and the Green Knight*; Spenser, *Faerie Queene* (Book I); Shakespeare, *The Tempest*; Milton, *Paradise Lost;* Swift, *Gulliver's Travels.* Extensive reading of Homer's *The Odyssey* will also be required. MR. MARTIN AND STAFF

ED 202 Interpretation of Literature: An Historical Approach Spring
Readings for discussion, lectures, papers, and independent study will be selected from among such writers and works as the following: Wordsworth, major early poems excluding *The Prelude*; poems by Tennyson and Arnold; Conrad, *Heart of Darkness*; poems by T. S. Eliot; Virginia Woolf, *To The Lighthouse*; Joyce, *Ulysses.* MR. MARTIN AND STAFF

ED 206 The Early Novel Fall
The rise of the novel as an art form: John Bunyan to Jane Austen. Novelists

to be read include Bunyan, Defoe, Richardson, Fielding, Smollett, Sterne, Walpole, Ann Radcliffe, and Jane Austen. (To be taught every third year. To be offered in 1970–71). MR. PRICKITT

[**ED 207 Nineteenth Century Fiction**]
Analysis of form and theme in representative English novels of the nineteenth century. Novelists to be read include Jane Austen, Scott, Dickens, Thackeray, Charlotte Brönte, Emily Brönte, George Eliot, and Hardy. (To be offered two out of every three years. Not offered in 1970–71).

ED 208 The Twentieth Century English Novel Spring
A study of the novel from E. M. Forster through Angus Wilson. Among novelists will be Conrad, Joyce, Lawrence, Virginia Woolf, Huxley, Waugh, and Elizabeth Bowen. Limited to 50 students. MR. PRICE

[**ED 303 Introduction to Literature of the English and Continental Renaissance: 1500-1610**]
Selected works of major English and Continental writers, in conjunction with readings in the historical and cultural background of the period. The course will include such figures as Castiglione, Erasmus, Rabelais, Montaigne, Wyatt, More, Sidney, Spenser, and Shakespeare. Non-English works will be read in Renaissance translations where possible. Juniors and Seniors. Limited to 30 students. Not offered in 1970–71.

ED 304 Poetry and Prose of the Age of Milton Spring
English literature from 1603 through Milton. A close examination of the poetry of Ben Jonson and John Donne and of their successors, especially Herrick, Carew, Herbert, and Marvell. The prose of Bacon and Browne also receives attention. The course culminates with the works of John Milton. Limited to 30 students. MR. KERRIGAN

[**ED 305 Poetry and Prose of the English Augustan Age**]
A critical investigation of the artistic achievement of major writers from 1660 to 1745, conducted primarily in terms of their evaluation of the political, religious, social, moral, intellectual, and aesthetic activities of the times. Figures studied are Dryden, Addison and Steele, Swift, Pope, and Gay. Juniors and seniors. Limited to 30 students. Offered in alternate years. Not offered in 1970–71.

ED 306 Prose and Poetry of the Age of Johnson Spring
A study of the major writers of the second half of the eighteenth century as they reflect the changing and conflicting social, political, moral, intellectual, and aesthetic attitudes of the period. The major figures studied are Johnson, Boswell, Gray, Goldsmith, Sterne, Burke, and Burns. MR. PRICKITT

[**ED 307 Classics of Literature: Greece**]
A study in translation of ancient Greek epic, lyric, and drama. The *Iliad* and *Odyssey* of Homer; lyric and personal poetry of the 7th and 6th centuries; selected tragedies of Aeschylus, Sophocles, and Euripides; selected comedies of Aristophanes; with corollary reading in Thucydides' *Peloponnesian War* and Plato's *Symposium*. Not offered in 1970–71.

[ED 308 Classics of Literature: Rome]
A study in translation of Roman epic and satire. The *Aeneid* of Virgil; the *Metamorphoses* of Ovid; the *Satires* and *Epistles* of Horace; the *Satires* of Juvenal and Persius; with corollary reading in the lyrics of Catullus and Ovid and the *Twelve Caesars* of Suetonius. Not offered in 1970–71.

ED 310 Comparative Fiction Spring
Through critical interpretation of European and American novels and novellas the course tries to arrive at a definition of what is "modern" in modern prose fiction. Readings will include works by Kleist, Flaubert, Mann, Gogol, Babel, Faulkner and Nabokov. No knowledge of foreign language is presupposed. One lecture and two discussion periods.
MR. SPARKS AND STAFF

ED 313 Prose and Poetry of the Romantic Period Fall
Reading in selected poetry and prose of Blake, Coleridge, Wordsworth, Keats, Shelley, and Byron. Sophomores by permission. Limited to 40 students. MR. CABOT

[ED 314 Prose and Poetry of the Victorian Period]
A study of Tennyson, Browning and Arnold, and their responses to their time. Other writers receiving some attention are Macaulay, Carlyle, Mill, Newman, Huxley, Pater, Swinburne, and Wilde. Sophomores by permission. Limited to 40 students. Not offered in 1970–71.

ED 321 Shakespeare Fall
An intensive critical study of *Hamlet*, *Othello*, *Macbeth*, *King Lear*, *Antony and Cleopatra*, and *The Tempest*. (Limited to Juniors and Seniors). MR. CUBETA

ED 323 Shakespeare Spring
A seminar in Shakespearean tragedy. (Juniors and Seniors. Permission).
MR. CUBETA

[ED 402 Modern British Poetry]
Through careful analysis of the style and thought of representative poems, this course will attempt to suggest ways of savouring the works of the following poets: Hardy, Hopkins, Yeats, Auden, Thomas, Larkin, Hughes. The theme of the making or the choosing of the Self (Yeats: "Myself I must remake") will be emphasized. Open to Sophomores, Juniors and Seniors. In alternate years, Mr. Pack will offer Modern American Poetry (AL 404). Not offered in 1970–71.

[ED 404 Chaucer]
Close analysis of the *Canterbury Tales* in Middle English, with more rapid reading of *Troilus and Criseyde* in translation. Some time will be devoted to background reading in Boethius, Continental romance, and the history of the English language. Not offered in 1970–71.

Seminars

Seminars vary in topic from year to year. A group of students interested in exploring a certain body of material may initiate a seminar by consulting with members of the depart-

ment. Such requests should be made by the middle of the semester preceding that in which the seminar is to be offered.

ED 405 Seminar: Wordsworth, Keats, Frost and Stevens Fall
Selected poems will be analyzed from several points of view, and the poets will be compared in respect to their ideas about revelation and endurance.
MR. PACK

ED 406 Seminar: Shakespeare Fall
An examination of several plays with regard to the role of the play within the play, the figure of the story-teller, manipulator, or creator of plots, the function of disguise, the relationship between art and nature, and between seeming and being. MRS. GOHLKE

ED 407 Seminar: Donne, Herbert, and Marvell Fall
This seminar will examine the Renaissance phenomenon of "metaphysical wit" as both a rhetorical technique and a mode of apprehension. Some of the works considered—such as Donne's *Anniversaries*, Herbert's "The Sacrifice," and Marvell's "Upon Appleton House"—are not ordinarily taught in ED 304. The major emphasis will fall on the poems of Andrew Marvell.
MR. KERRIGAN

ED 408 Seminar: James Joyce Fall
A study of the major works, including *Dubliners*, *Stephen Hero*, *A Portrait of the Artist as a Young Man*, *Ulysses*, and parts of *Finnegan's Wake*. The increasing complexity of Joyce's literary techniques will be studied in relation to the problem of a humanistic understanding of his achievement. MR. PRICE

AL 409 Seminar: William Faulkner Fall
(For description, see p. 46) MR. MARTIN

ED 409 Seminar: Blood and Thunder Spring
Readings in the gothic, the supernatural, horror tales, revenge, satanism, and vampirism, culminating in the detective story of the late 19th century. Works by Walpole, Radcliffe, Lewis, Beckford, Mary Shelley, Godwin, the Brontës, Jane Austen, Poe, Wilkie Collins, Bram Stoker, and Conan Doyle.
MR. CABOT

ED 410 Seminar: William Wordsworth Spring
The major poems and selected prose. MR. HILL

ED 323 Shakespeare Spring
(For description see p. 68) MR. CUBETA

Writing

ED 375 Advanced Imaginative Writing: Prose Fall
A seminar course in advanced writing, in which students are encouraged to undertake writing projects, with advice and editorial assistance from the instructor, in order to discover where their talents may lie and to broaden their sense of technique and style. The course is designed for students in-

terested primarily in prose, though some poetry will be welcomed. The student may choose to write stories, novelettes, novels, plays or nonfiction, and the project may be continued through the fall and spring terms. Limited to twelve students. Permission. Does not satisfy Group A requirement.
MR. CLAGETT

ED 376 Advanced Imaginative Writing: Prose Spring
Students who have performed creditably during the first term may continue their projects during the second. New members may be admitted by special recommendation of their advisers. Does not satisfy Group A requirement.
MR. CLAGETT

ED 377 Advanced Imaginative Writing: Poetry Fall
A seminar course in advanced writing, in which students are encouraged to undertake writing projects, with advice and editorial assistance from the instructor, in order to discover where their talents may lie and to broaden their sense of technique and style. The course is designed for students interested primarily in poetry, though all forms of writing and experimentation will be welcomed. The class will meet once a week to discuss samples of contemporary writing and each other's work. The student will also work in conference with the instructor. Limited to ten students. Permission. Does not satisfy Group A requirement. MR. PACK

[ED 378: Advanced Imaginative Writing: Poetry]
Students who have performed creditably during the first term may continue their projects during the second. New members may be admitted by special recommendation of their advisers. Not offered 1970–71. Does not satisfy Group A requirement.

ED 379 Techniques of Research Fall and Spring
This course is designed to train students in the art of research for materials to be used in various kinds of advanced writing, including biography, nonfiction, fiction, and scholarly writing. The choice of topic is open to the student. Twelve students. Permission. MR. CLAGETT

Drama

[ED 224 English Drama to 1642]
An intensive study of the development of the forms of English drama from the *Quem Quaeritis* trope to the closing of the theaters in 1642. Representative selections from the Medieval cycle and morality plays, Tudor and Jacobean comedy and tragedy, and Carolinian drama. Secondary studies in theatrical history and social ideas of the English Renaissance. Not offered in 1970–71.

[ED 225 The Restoration and 18th Century]
Not offered in 1970–71.

ED 227 Greek and Roman Drama Spring
An intensive study of the plays of Aeschylus, Sophocles, Euripides, and Aristophanes with glances at Menander, Plautus, Terence, and Seneca.

Emphasis will be on the "vision" of the Greek and Roman plays, with secondary studies in theatrical and social history. MR. DELETIS

[**ED 232 German Drama**]
A historical survey of German dramatic forms from Lessing to Brecht. Emphasis on plays as dramatic structures, with secondary studies in theatrical and social history. Not offered in 1970–71.

ED 235 19th Century Drama Fall
A study in moral, intellectual, and esthetic trends of late 19th century drama. Intensive reading of selected plays and theoretical writings of Ibsen, Strindberg, and Chekhov with some consideration of Jarry, Artaud, and Brecht. MR. TEUSH

ED 321 Shakespeare Fall
(For description, see p. 68) MR. CUBETA

ED 325 Modern Drama: 1870-1920 Spring
A study of dramatic forms and ideas developing on the Continent, in England, and the United States during the last decade of the 19th century and early in the 20th century. MR. VOLKERT

[**ED 326 Modern Drama: 1920 to the Present**]
A study of recent dramatic forms and ideas of the Continent, in England and in the United States. Not offered in 1970–71.

ED 327 American Drama Fall
A study from *Metamora* to *No Place to Be Somebody*, focusing on America's commercial, eclectic heritage with emphasis on recent attempts to discover a special American idiom. MR. VOLKERT

Theatre Arts

ED 141 Forms and Styles of the Theatre Fall
An historical view of the development of major theories and methods of playwriting, staging, and design from the 5th century B.C. through the 18th century. STAFF

ED 142 Forms and Styles of the Theatre Spring
Continuation of ED 142. The 19th and 20th centuries. STAFF

ED 249 Style: Design (Stage and Scene) Fall
A series of readings, discussions, exercises, and projects in which historical and contemporary approaches to mounting plays are examined. Emphasis is on stage and scenic forms as interpretive elements in production planning. Offered in alternate years. Does not satisfy Group A requirement.
MR. POTTER

ED 250 Continuation of ED 251 Spring
Does not satisfy Group A requirement. MR. POTTER

[**ED 251 Style: Design (Costume)**]
The relationships of contemporary costume planning and design to: the

play, period dress, design principles and the other visual production elements. ED 249, ED 250 or permission. Offered in alternate years. Not offered in 1970–71. Does not satisfy Group A requirement.

[ED 252 Style: Design (Lighting)]
A study of the principles, theories and methods of stage lighting and their application to various stage forms. ED 249, ED 250 or permission. Offered in alternate years. Not offered in 1970–71. Does not satisfy Group A requirement.

ED 345 Style: Acting and Directing Fall
A seminar emphasizing acting and directing in which the theatres of Greece and Rome, of the Middle Ages, and of the Renaissance, including the Commedia Dell 'Arte will be explored in the classroom, in laboratory sessions and in workshop productions. Open only to qualified juniors and seniors. From this course, 500 projects or senior projects will be developed. Ideally, the student should have a project in mind before he enters the course. If the student does not plan to produce a 500 project or senior project, he will nonetheless be permitted to take the course and participate in the laboratory exercises. Does not satisfy Group A requirement. MR. VOLKERT

ED 346 Style: Acting and Directing Spring
A continuation of the above in which the various styles of the theatres of the 17th, 18th, 19th, and 20th centuries will be treated. ED 345 or permission. Does not satisfy Group A requirement. MR. VOLKERT

Production Seminars:

The department offers a Production Seminar in conjunction with each major production. Students enrolled in these seminars take part in a two or three week period of intensive study of the play and then participate in the production of the play. Each student, with the approval of the department, defines the nature of his participation: actor, stage manager, critic, literary historian, or designer, etc. Participation may vary from playing a major role to writing an extended critical essay about the playwright.

ED 441 Acting and Directing Fall
Does not satisfy Group A requirement. MR. VOLKERT

ED 442 Production Staff Fall
Does not satisfy Group A requirement. STAFF

ED 443 Acting and Directing Spring
Does not satisfy Group A requirement. MR. TEUSH

ED 444 Acting and Directing Spring
Does not satisfy Group A requirement. STAFF

Cinema

ED 451 Film-Making Fall
An introduction to the methods and materials of film-making. An intensive

study of the capabilities of the camera, the properties of film, the manipulation of light, space, form, and composition within the frame to create a meaningful image and structure a film. Limited to 16 students. Permission. Does not satisfy Group A requirement. MR. TEUSH

Special Projects in Research or Writing

The Department will consider applications from qualified Juniors and Seniors who wish to undertake special projects in literature, dramatic literature, writing, directing, theatre arts, or film. A student proposing to undertake a creative project in theatre should submit a detailed proposal to his adviser three weeks before registration.

ED 500, 520, 540, 560 Special Projects Fall or Spring
Permission STAFF

ED 700, 720, 740, 760 Senior Projects Fall or Spring
Permission. STAFF

FRENCH

Professor: C. L. BOURCIER[1]; Visiting Professor: S. BARENBAUM; Assistant Professors: E. C. KNOX (*acting chairman*), O. A. THIHER; Instructor: G. F. BERNAUER; Associates: MRS. H. KNOX, MISS S. VIAUT; Assistant: MISS C. BOUBIS

The French Department hopes to develop students' interest and competence in linguistic communication, ability to read and criticize literature in French, and familiarity with the major themes and perspectives of the French-speaking world.

We consider command of the French language to be the essential ingredient and prerequisite to serious and successful pursuit of such aims. On the other hand, we recognize that an individual student may choose to pursue one of the interrelated areas in particular, and that in any case a successful major in French will benefit not only from these interrelations but from work in related areas of intellectual activity, such as other languages and literatures, fine arts, history, philosophy, sociology, etc. Accordingly, requirements for the major are designed to develop a student's ability to read and discuss relatively complex literary and social documents, and thereafter to leave him sufficient freedom to pursue his own particular bent, in consultation with his adviser.

Required for the major: FR 205–206 or its equivalent; four courses at the 300 level or above.

French Language, Culture, and Area Studies Administered by the French Department

Required for a Major: FR 205 or 206, FR 209 or 210; two courses from the following: FR 411, FR 412, FR 413; Independent Study; also: Geography: GG 101–2; one year sequence from the following: History HI 315, HI 316 or Political Science PS 201–2; also: one year sequence from the following: Economics EC 101–2; or Political Science PS 205–6; or Sociology: SA 101–2. Cognate courses in the Humanities and the Social Sciences will be recommended.

Language

FR 101 Beginners' French Fall
Oral inductive approach aimed at mastering the patterns of simple spoken

1. Director of Graduate School in France 1969–71

French. Reading, writing, and grammar. Intensive use of the Language Laboratory for individual exercises. Three class meetings and two drill sections per week. (FR 102 must be passed before credit is given for FR 101.)
MR. BARENBAUM

FR 102 Beginners' French Spring
Oral inductive approach combined with more emphasis on the reading and writing aspects of the language. Students are asked to participate more actively. Language Laboratory still intensively used. Three class meetings and two drill sections per week. MR. BARENBAUM

FR 109 Intermediate French Fall
A course open to students who have had one year of French in secondary school, or an otherwise poor preparation in the language. Grammar review, with emphasis on reading, writing and oral understanding. Three class meetings and two drill sections per week. (Students who wish to prepare for the Qualification Test to pass their Language degree requirement are advised to take this course. FR 109 and FR 110 may not be taken after FR 102.)
STAFF

FR 110 Intermediate French Spring
Composition and conversation are emphasized to prepare the students for more advanced work in the Department if they so choose. Three class meetings and two drill sections per week. STAFF

FR 201 Syntax, Reading, Oral Practice and Writing Fall
The usual freshman course for students with two or three years of average preparation in the language. Systematic review of grammar and graduated training in pronunciation, reading of modern material, and essay writing. Introduction to French versification, and the "*explication de textes*" method. Individual practice in the Language Laboratory.
MR. BARENBAUM and STAFF

FR 202 Syntax, Reading, Oral Practice and Writing Spring
Continuation of FR 201, with emphasis on reading, essay writing, discussing, and "*explication de textes.*" MR. BARENBAUM and STAFF

FR 205 Advanced Oral & Written Expression Fall
A course designed to increase and perfect the student's ability to express himself in spoken and written French. Emphasis will be placed on diction, clarity, variety, and the expression of abstractions. Sections limited to 15 students. MR. KNOX and STAFF

FR 206 Advanced Oral & Written Expression Spring
Continuation of FR 205. FR 205 or permission. MR. KNOX and STAFF

Literature

All literature courses will be given with a seminar approach and within each period the emphasis will be on some authors or works at the discretion of the instructor. (FR 202 or permission).

FR 209 Introduction to Critical Reading Fall
Study of the elements and structures of the literary work, from a generic rather than an historical viewpoint: poetry and drama. The student will develop and demonstrate his ability to criticize literature in class discussions and papers. (Group A). MR. THIHER and STAFF

FR 210 Introduction to Critical Reading Spring
Continuation of FR 210. Prose. (FR 209 or permission). (Group A).
MR. THIHER and STAFF

FR 311 Molière, Marivaux and Beaumarchais Fall
Study of the comic genre in the Ancien Régime, with concentration on the interaction of structure and character, and on the changing view of the comic hero and context. (Group A). MR. KNOX

FR 312 The French Novel from La Fayette to Laclos Spring
Particular attention to narrative technique, point of view and the social world of the novel. Works by Madame de la Fayette, Marivaux, Prévost, Voltaire, Rousseau, Diderot and Laclos. (Group A). MR. KNOX

FR 315 The Bildungsroman in Nineteenth Century French Literature Fall
The study of four novels by Balzac, Stendhal, Flaubert and Zola that portray the introduction of youth to society; sentimental, social, and political education, conflicts of dream and reality. An attempt will also be made to analyze the structures of French society in the nineteenth century as reflected in these novels. (Group A). MR. BERNAUER

FR 319 The Modern Novel Between the Two Wars (le roman d'entre les deux guerres). Fall
Readings of Gide, Breton, Drieu La Rochelle, Mauriac, Malraux, and Sartre. (Group A). MR. THIHER

FR 320 The Contemporary French Novel Spring
Consideration of trends in contemporary fiction. Readings of Camus, Beckett, Genet, Robbe-Grillet, Butor, etc. (Group A). MR. THIHER

FR 416 Baudelaire, Rimbaud, Lautréamont Spring
The study of the poetry of revolt; the language of revolt, possibilities and limits of poetry as an instrument of revolt; origins of the prose poem in France. (Two semesters of French literature beyond FR 209–210 or permission of the instructor). (Group A). MR. BERNAUER

Civilization

[FR 411 French Civilization]
The geography of France, its physical and human aspects; the development of her political, social, intellectual and artistic history, from the origins to the end of the 16th century. (FR 202 or permission). Not offered in 1970–71.

[FR 412 French Civilization]
The development of the French State and the French Nation from the 17th

century to the present; the main features of contemporary French civilization and culture. (FR 411 or permission). Not offered in 1970–71.

[FR 413 Problems of Contemporary France]
A seminar on the present situation in France: her political, economic, social, religious, and cultural life, and the problems facing her. (Permission). Not offered in 1970–71.

FR 500 Advanced Studies in Language, Civilization and Literature Fall and Spring
Qualified undergraduates may be permitted to undertake a special project in reading and research under the direction of some member of the Department. STAFF

FR 700 Senior Research Fall and Spring
STAFF

GEOGRAPHY AND GEOLOGY

Geography

Professors: J. R. ILLICK[1], V. H. MALMSTROM; Assistant Professor: R. A. SIMKO; Instructor: J. R. MARSHALL

Geography is concerned with the "where" and "why" of human activities. In its attempt to explain the differences which exist from place to place over the earth's surface, it collects, analyzes, and integrates data from both the physical and social sciences. It examines such physical elements as landforms, climate, soils, and vegetation and interprets them in terms of the distribution of people, their ways of making a living, and the social and political patterns they have developed. Because the interaction of man and his environment is constantly changing, geography seeks to understand how present world patterns have evolved from the past and how they might be modified further in the future.

The Department also participates in the interdisciplinary major, Environmental Studies. (See page 22.)

Required for a Major: GG 101, GG 102, GG 201, GG 202, GG 301, GG 401, and one regional course numbered from GG 311 through GG 316; Independent Study (GG 700) and the Senior Seminar (GG 704). The Fall and Winter Terms of the Senior Program are devoted to the writing of a thesis based on independent field research and the Spring Term is devoted to a seminar in contemporary problems.

Cognate courses for a Major in Geography range over a broad field and should be selected from other departments according to one's interest in Geography, and with the approval of the adviser. Students contemplating graduate studies and/or professional careers in city and regional planning may also avail themselves of Independent Projects in Geography (GG 500) designed to meet their special needs.

GG 101, GG 102 World Regional Geography Fall and Spring
A survey of the physical and cultural factors which influence the distribution of man and his activities on the surface of the earth. The first term is devoted to developing skills in geographic analysis which are then applied to major world regions during the second term. (GG 101 is a prerequisite for GG 102.) (Counts as group B course). STAFF

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GG 201 Physical Geography Fall
A systematic examination of the elements of the physical environment. Landforms, climates, soils, vegetation, minerals and water resources will be studied by means of field trips, maps and photo-interpretation. 3 hrs. lect., 3 hrs. laboratory. (GG 101, GG 102). STAFF

GG 202 Economic Geography Spring
An analysis of the origins, nature, and distribution of man's economic activities over the world. The evolution of subsistence, commercial and planned economies will be studied in a regional context. Field trips. (GG 101, GG 102). MR. MALMSTROM

GG 301 Research in Geography Fall
A course designed to provide the major in geography with systematic training in the collection, analysis, and presentation of geographic data. Observation and measurement in the field will be complemented by statistical, cartographic, and air photo interpretation in the laboratory. (GG 101, GG 102). MR. MARSHALL

[GG 302 Cartography]
An introduction to the compilation, design, and construction of maps. Training is given in the techniques of preparing maps from field surveys, aerial photographs, library, and statistical sources, and in the evaluation and construction of map projections. Special attention will be given to representing the third dimension through block diagrams and models. Two hours of lecture and one laboratory a week. (Limited to 20 students.) (GG 101, GG 102). Not offered in 1970–71.

GG 311 Geography of Anglo-America Spring
A regional analysis of the United States and Canada, giving special attention to the physical, historical, and economic factors which contribute to areal differentiation. (GG 101, GG 102). MR. MARSHALL

GG 312 Geography of Latin America Spring
A consideration of the individual countries of Central and South America, their resources, problems, and prospects. Special attention is given to their relations with the United States and to their significance in world affairs. (GG 101, GG 102). MR. MARSHALL

GG 313 Geography of Europe Spring
A study of the economic, social and political patterns of present-day Europe. Emphasis will be placed on the distinctive personalities of the individual countries and on their role in regional and global affairs. (GG 101, GG 102). MR. MALMSTROM

GG 314 Geography of Africa Fall
A study of the emerging nations of Africa and the special role they play in world economic and political affairs. The geographic bases of their nationhood, their problems and outlook for the future will be assessed. (GG 101, GG 102). MR. SIMKO

GG 315 Geography of the Soviet Union Fall
An intensive systematic and regional analysis of the world's largest country. The problems and potentialities of the Soviet Union will be critically evaluated in terms of the challenge it poses for world leadership. (GG 101, GG 102).
MR. MALMSTROM

GG 316 Geography of Asia Spring
A systematic examination of the regions and nations of Asia (excluding the Soviet Union), with special emphasis on their problems and potentialities as they relate to world economic and political patterns. (GG 101, GG 102).
MR. SIMKO

GG 401 Political Geography Fall
The study of the state as a geographic phenomenon, with emphasis on the spatial, cultural, and economic factors that influence its emergence, growth, and relationships with other states. The present world situation will be analyzed in terms of geopolitical principles. (GG 101, GG 102).
MR. SIMKO

GG 500 Independent Projects in Geography Fall and Spring
A course arranged to fulfill the research needs of students majoring in Geography.
STAFF

GG 700 Senior Independent Work Fall and Winter

GG 704 Senior Seminar Spring

Geology

Associate Professors: B. BALDWIN, P. J. CONEY[1]; Assistant Professors: D. W. FOLGER, R. LAURENT

With the Green Mountains to the east, the Adirondacks and Lake Champlain to the west, the environs of Middlebury College afford an excellent introduction to geological, oceanographic, and environmental science, particularly since Vermont has become a classic area for the study of mountain system evolution. The curriculum takes advantage of this setting by stressing field-oriented and laboratory supported inquiry of problems and by relating geologic process to the origin and evolution of global tectonic patterns.

Principles of Physical Geology (GG 151, 152) and Introduction to Oceanography (GG 162) introduce students to active research areas in geological science and are vehicles for acquiring the basic understanding of processes which have shaped the earth.

Four intermediate courses in mineralogy, petrology, and structural geology (GG 261, GG 262, GG 271, GG 282) present skills and concepts essential to geologic investigation. Elective advanced courses are offered in stratigraphy, geomorphology, geochemistry, geophysics and advanced submarine geology (GG 372, GG 381, GG 461, GG 481 and GG 472). Independent work at the sophomore or junior level can be elected as GG 550.

Work in the geological sciences culminates in a 3 unit senior thesis. The research will be on some suitable problem in earth science involving an original contribution based on field and/or laboratory work by the student.

Students contemplating concentration in geological science should consult with faculty to plan any of many possible programs. Combinations of work in earth science with other fields is recommended and interdisciplinary concentrations are encouraged. Students are urged to take advantage of opportunities for summer field experience and winter

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internships at oceanographic, academic, government, and industrial research centers. The department participates in the Environmental Studies program (see page 22.)

GG 151 Principles of Geology Fall
Geologic processes that are responsible for different types of rocks, deformation, and landscape, viewed in terms of the tectonic evolution of mountain systems. Laboratory: field mapping, description of rocks, structural analysis of topographic and geologic maps. 3 hrs. lecture, 4 hrs. lab. STAFF

GG 152 Principles of Geology Spring
Submarine geology, the interior of the earth and the origin of the crust, in the light of geophysical data; introduction to global tectonics. Laboratory: regional synthesis and term paper, based on analysis of detailed geologic maps; field problems. (GG 151). 3 hrs. lecture, 4 hrs. lab. STAFF

GG 162 Elements of Oceanography Spring
Modern oceanographic exploration introduced by retracing the track of HMS *BEAGLE*. Important principles involving elements of marine geology, geophysics, geochemistry, biology, and physical oceanography well illustrated by areas along the track will be developed and expanded. Comparison of Darwin's early theories regarding some natural phenomena with those held today will establish continuity in the systematic investigation of marine and continental processes. MR. FOLGER

GG 261 Theoretical and Optical Mineralogy Fall
The crystalline structures and the concept of symmetry in crystallography; introduction to x-ray diffraction; crystal chemistry and phase equilibria of rock-forming minerals. Laboratory: theory of polarized light in anisotropic minerals applied to the identification of minerals in thin sections, using petrographic microscope; parallel study of minerals in hand specimens. (GG 151 or CH 101). 3 hrs. lecture, 3 hrs. laboratory. MR. LAURENT

GG 262 Igneous and Metamorphic Petrology Spring
The chemical and mineral composition of igneous rocks (petrochemical calculations and classifications), their structures and associations; the problem of crystallization of magmas. The metamorphic rocks, their fabric, mineral facies, and metamorphic processes. Laboratory: description of sequences of igneous rocks in thin sections and hand specimens; field problem (mapping and structural study of a small intrusive pluton). (GG 261). 3 hrs. lecture, 3 hrs. laboratory. MR. LAURENT

GG 271 Sedimentary Petrology and Paleontology Fall
Textures, mineralogy, and primary structures of sedimentary rocks, as a response to physical and chemical processes, and as a reflection of environment of deposition; geologic time and tectonic association; last 3 weeks on main invertebrate fossil groups. Laboratory: 3 weeks on fossils; hand specimen and thin section study of sedimentary rocks; field problems. (GG 151 and permission). 3 hrs. lecture, 3 hrs. lab. MR. FOLGER

[GG 282 Structural Geology]
Geometric, kinematic, and dynamic analysis of deformational structure in

sedimentary, metamorphic, and igneous terrane; introduction to rock mechanics. Laboratory: quantitative analysis and interpretation of deformation, as shown on topographic-geologic maps and aerial photographs; detailed mapping and interpretation of complex structure in the field. (GG 151 and permission). 3 hrs. lecture, 3 hrs. laboratory. Not offered in 1970–71.

GG 372 Stratigraphic Analysis Spring
Geochronology, facies, correlation, and tectonic association of sedimentary rocks; case studies of selected formations; from the literature. Laboratory: field and laboratory problem in the Taconic sequence. (GG 271). 3 hrs. lecture, 3 hrs. laboratory. Offered in alternate years. MR. BALDWIN

[GG 381 Geomorphology]
An analysis and interpretation of landscape, including quantitative studies of slope as developed under different controls of process, structure, climate, and stage of development. Particular attention paid to fluvial and glacial processes, and to relief that is characteristic of mountainous terrain. Laboratory: quantitative analysis and interpretation of landscape as shown on topographic-geologic maps and aerial photographs; detailed mapping of geomorphology in the field. (GG 151 or GG 201). 3 hrs. lecture, 3 hrs. laboratory. Not offered 1970–71.

GG 461 Advanced Petrology and Geochemistry Fall
An integrated approach to the "granite problem" and associated ultrametamorphism, and thermodynamics of equilibrium reactions; study of experimental data and comparative study of classical areas. Laboratory: investigations of metamorphic and plutonic rocks of the Green Mountain region; mineral determination in x-ray diffraction and trace element analysis in x-ray spectrometry; field trips. (GG 262, MA 112, CH 104; or permission). 2 hrs. lecture, 3 hrs. laboratory, and field trips. Offered in alternate years. MR. LAURENT

GG 472 Advanced Marine Geology Spring
Synthesis of the processes which determine the physiography, sedimentation, and tectonic evolution of the sea floor; concentration involving term papers on critical problem areas such as continental margins, trenches, and mid-ocean ridges. (GG 151, 152; MA 112, 113; PH 103, 104; CH 101; or permission). 2 hrs. lecture, 5 hrs. laboratory; field problems. MR. FOLGER

[GG 481 Advanced Tectonics and Geophysics]
Principles of tectonic analysis and regionalization; discussion of regional tectonic processes in space and time; introduction to methods and results of geophysics (seismic, gravity, magnetic) and the bearing of these results on crustal tectonic evolution. Laboratory: compilation and interpretation of regional tectonic maps; geophysical investigation of field problems. (GG 282, MA 112, MA 113, PH 103, PH 104; or permission). 1 hr. lecture, 6 hrs. laboratory. Not offered in 1970–71.

GG 550 Student Research
Independent laboratory or field project at sophomore or junior level. STAFF

GG 750 Senior Research
In the 3-unit Senior Program, the fall, winter, and spring units are assigned to research and writing of a senior thesis.

GERMAN

Professor: K. Sparks (*chairman*); Associate Professor: V. H. Vail[1]; Assistant Professor: T. Huber; Instructor: Miss B. R. Driver; Assistant: Miss M. Sutter.

Departmental students are normally expected to take the eight courses which presently constitute the Major in German Literature. Since all higher courses will be conducted in German, completion of GN 202 or its equivalent is prerequisite to acceptance into the department. In their junior and senior years qualified students may undertake approved independent research. There is no comprehensive examination in the senior year.

GN 101, GN 102 Beginners' German Fall and Spring
The course consists of three lectures, three drills and laboratory.

Lectures. The lectures pre-drill the student, which is to say, the student is guided through the exercises that he is to prepare for the following day's drill.

Drills. Drilling is done in groups of approximately ten students. Since they have been through the exercises in lecture, students are expected to display absolute and automatic control of drill assignments.

Mr. Huber, Mr. Sparks and Staff

GN 201 Intermediate German Fall
The course meets three hours a week in sections of approximately ten students. It begins with a comprehensive grammar review; this is followed by a phase in which literary texts are used as the basis of further language instruction and for the acceleration of reading speed. In the final phase of the course, progress in the language is supplemented by textual interpretation.

Staff

GN 202 Advanced German Spring
The course meets three times a week in sections of approximately ten students. Modern German texts will be read and interpreted, and the student will be introduced to the methods of literary analysis. The course will further increase the student's fluency in spoken German and his facility in reading.

Staff

[GN 301 Modern German Literature]
The course will examine the development of German Literature since Naturalism, focusing on works by Hauptmann, Mann, Hofmannsthal, Kafka, Brecht and others. Considerable attention will also be devoted to representative post-war writers. Offered in alternate years; not offered in 1970–71. (Group A).

GN 305 The German Novelle Fall
This course will follow one genre, the *Novelle*, as it evolves through a century

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and a half of German writing. The aim of the course is to acquaint the student not only with the development of a form, but with the companion development of the critical concepts which serve it. Readings will range from Goethe to Kafka. Offered in alternate years. (Group A).

Mr. Sparks, Miss Driver

[GN 306 The German Novelle]
Interpretations of *Novellen* by Mann, Kafka and Böll. Each author will be represented by several works. The aim of the course is to trace the development of the genre with the work of individual authors. Offered in alternate years. Not offered in 1970–71. (Group A).

GN 310 German Lyric Poetry Spring
Like the course in the *Novelle*, this course directs the student's attention to the evolution of a single genre through several "schools" and periods. Readings will cover major poets from the eighteenth century to the present. Offered in alternate years. (Group A). Miss Driver

GN 401 The Eighteenth Century Fall
From Late Baroque up to and including *Sturm und Drang*. In addition to dealing with selected literary works of the early and mid-eighteenth century as objects interesting in themselves, the course will study these works as background for Goethe and Schiller, whose early works will be represented. Offered in alternate years. (Group A). Mr. Huber

GN 402 The Age of Goethe and Schiller Spring
A representative selection of Goethe's early and mature works will provide the frame of the course. The student will be given insight into the artistic development of a single great figure. Readings will include an early and a late novel of Goethe's, lyrics from throughout his career and several plays, one of which will be *Faust I*. A selection of Schiller's poems, essays and plays will be used to counterpoint Goethe's development and his interests. Offered in alternate years. (Group A). Mr. Huber

[GN 406 Romanticism]
This course will provide the student with the techniques for examining a period in depth. The emphasis will be on narrative forms. The course will give the student a basis from which to understand romantic themes and forms as they are carried forward into the twentieth century. Readings will include works by Wackenroder, Tieck, Novalis, Eichendorff, Brentano, von Arnim, and E.T.A. Hoffmann. Offered in alternate years. Not offered in 1970–71. (Group A).

[GN 410 Seminar: German Drama]
The theme of this seminar will be the development of social and political criticism in the German theater. Readings will include tragedies, comedies and satires and will range from Büchner's *Woyzeck* to Brecht's *Mahagonny*. Offered in alternate years. Not offered in 1970–71. (Group A).

[GN 414, GN 415 Seminar: The German Novel] Fall and Spring
The theme of this seminar is the development of the novel from Goethe

forward. Readings will include novels by Goethe, Keller, Mann, Kafka, Grass and Böll. Offered in alternate years. Not offered in 1970–71. (Group A)

GN 500 Independent Study

HISTORY

Professors: W. B. Catton, P. E. Tillinghast (*chairman*); Associate Professors: N. R. Clifford [1], M. E. Lamberti; Instructors: R. Des Forges, J. S. Freidin, T. B. Jacobs, N. G. O. Pereira; Visiting Lecturer: A. Des Forges

The History major combines an introduction to several areas of historical knowledge with intensive training and practical work in historical research. Majors must take at least one semester lecture course in early history choosing from the following: HI 103, 205, 207, 311, 312, 313, 317, and must also take at least two semester courses outside their field of concentration. The fields are defined as Europe, America, and Non-western. The same course may be counted towards the fulfillment of both of these requirements. Majors must also take at least one semester of HI 424 or 425, and as juniors must take at least one pro-seminar (HI 401–20). Senior majors, having chosen a topic the previous spring, write a thesis for their independent study project, which is due at the end of winter term. During their last semester they may take HI 705 to prepare for a comprehensive examination, or HI 710, the senior seminar.

Required for all History majors: Eight courses from the 100 to 500 level as described above, and including at least one pro-seminar and one semester of HI 424 or 425; the senior thesis; the General Examination or senior seminar.

The Department will publish a list of those cognate courses which may be counted for credit towards a major in history.

HI 103 Crises in European History Fall

The course will examine three critical periods of early modern European history in which the established order found itself under attack: the German Reformation, the English civil war, and the French Enlightenment. (Primarily for freshmen and sophomores; juniors and seniors admitted by permission only). Staff

HI 104 Modern Revolutions Spring

A comparative study of revolutions, radical mass movements and revolutionaries in modern history. The course explores the problems of trying to conceptualize revolution and, through a study of the great revolutions of modern times, points toward the possibility of establishing some comprehensive generalizations about revolution. (Primarily for freshmen and sophomores; juniors and seniors admitted by permission only). Staff

[HI 105 Ancient History]

The Near East and Greece to the rise of Macedonia. Not offered in 1970–71.

[HI 106 Ancient History]

Continuation of HI 105 The Hellenistic Near East and Rome. Not offered in 1970–71.

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HI 203 American History 1607–1877 Fall
HI 203 is organized on the assumption that most students will have previously done work in American History and have a knowledge of the basic narrative material of this field of study. Accordingly, lectures and reading will stress interpretations and will be topical in nature. HI 203 is the normal introduction to further work in American history. The first semester analyzes the development of distinctive American institutions through the Civil War. The lectures, readings and discussions emphasize the political and economic structure of the nation. MR. CATTON and STAFF

HI 204 American History 1865–1960 Spring
Continues the approach of HI 203. This course emphasizes the responses to the crisis of industrialization, the changing relationship between government and the economy, social and intellectual developments and the emergence of the United States as a major world power. MR. CATTON and STAFF

HI 205 History of Africa (Early) Fall
A study of the growth of African cities, kingdoms and empires, especially in the Sudan, the Congo, the region between the Great Lakes and along the East Coast, examining the roles of indigenous organization, Islamic influence and early contacts with the Europeans. MRS. DES FORGES

HI 206 History of Africa (Recent) Spring
A discussion of the importance of the Fulani and Shakan revolutions, the slave trade, the colonial experience and resistance to it, and the independence movements in shaping contemporary Africa. (HI 205 or permission).
MRS. DES FORGES

HI 207 Chinese History (Early) Fall
A study of the intellectual foundations of the Warring States, political unification of the Ch'in-Han, cultural change of the Sui-T'ang, resistance of the Sung-Yüan and the tributary system of the Ming, focusing on the development of a Chinese identity and its relationship to those of neighboring peoples. MR. DES FORGES

HI 208 Chinese History (Recent) Spring
An interpretation of recent history, from the Ch'ing to the People's Republic, with particular attention to elements of continuity and change in the Chinese revolution after 1900. (HI 207 or permission).
MR. DES FORGES

[HI 301 Economic History of the United States]
An analysis of American economic development from the 17th century to 1860, with frequent attention to European influences and emphasis on the relationship between economic activity and social, political and intellectual History. (HI 203–4 or permission). Given in alternate years. Not offered in 1970–71.

[HI 302 Economic History of the United States]
A study of industrial development and its consequences from the Civil War

to the present. (HI 301 or permission). Given in alternate years. Not offered in 1970–71.

HI 305 Twentieth-Century America Fall
A study of the political and social forces in America, concentrating on the Progressive Era, the First World War, the 1920's, the Great Depression, and the New Deal. MR. JACOBS

HI 306 Twentieth-Century America Spring
A study of the political and social forces in America, concentrating on the road to World War II, the War, the Cold War, and post-war America from Truman's Fair Deal to the New Frontier and the Great Society.
MR. JACOBS

[**HI 307 Blacks and Immigrants: Race and Nationality in U.S. History**]
A brief study of American immigrant history followed by a detailed survey of the history of black people here. Concurrently, to compare and contrast the experiences of blacks with those of other racial and ethnic groups, each student will select one group and study its history in detail. Reports and discussion will aim at appraising the significance of such factors as the size of the group, the nature of its cultural heritage and degree of retention here, occupations entered, degree of economic success and political solidarity attained, the nature of its interaction with other groups, and the extent of discrimination encountered. Not offered in 1970–71.

HI 309 History of American Education Fall
A study of the development of American education from the colonial period to the mid-twentieth century with particular attention to the role of education in the shaping of social values and as a reflector of the society it served. (This course will also receive credit for Teacher Education.) MR. FREIDIN

HI 311 Medieval History Fall
Western Europe from 1000 to 1300. The development of feudalism, the growth of the papacy as an administrative institution, and the consolidation of the first national monarchies. MR. TILLINGHAST

HI 312 The Renaissance and Reformation Spring
Western Europe from 1300 to 1600. Political and social changes in the north, the growth of humanism in the south, the religious revolts and the Catholic Reformation. Offered in alternate years. MR. TILLINGHAST

HI 313 History of Russia to 1725 Fall
A study of Russian history from the ninth century through the reign of Peter the Great, with an emphasis upon the evolution of cultural and political trends from Kiev, through Muscovy, and into imperial times.
MR. PEREIRA

HI 314 History of Russia to 1953 Spring
A study of Russian history from 1725 to the death of Stalin, stressing the

major internal forces of modernization, as well as the impact of the western example. MR. PEREIRA

HI 315 History of Modern Europe, 1815-90 Fall
An analysis of political institutions, social and economic changes, religious and intellectual developments, and international relations. Students are encouraged to concentrate in a special area or country. Lectures are interpretive. Reading assignments include the finest interpretive studies on European history. MISS LAMBERTI

HI 316 History of Modern Europe, 1890–1950 Spring
Continues the approach of HI 315. Special attention to the rise and nature of modern totalitarianism. MISS LAMBERTI

[HI 317 English History, 1485-1760]
Tudor, Stuart and early Hanoverian England: frequent variations on a limited set of themes in a basically stable society. Not offered in 1970–71.

[HI 318 British History Since 1750]
A survey of the period since the Industrial Revolution. The focus will be on social and intellectual change, and on the growth of reform movements to meet those changes. Not offered in 1970–71.

[HI 319 Intellectual History of Europe]
Not offered in 1970–71.

[HI 320 Intellectual History of Europe]
Not offered in 1970–71.

[HI 323 Philosophy of History]
Not offered in 1970–71.

HI 324 Philosophy of History Spring
An investigation of the two basic trends on the philosophy of history: critical and speculative. Readings from Eliade, Hegel and Toynbee will approach the problem of "the meaning of history." Contemporary readings from various authors will analyze the nature of historical knowledge in its relation to the natural sciences. Offered in alternate years. MR. O'BRIEN

HI 401-20 Pro-Seminars Fall and Spring
The purpose of the pro-seminar is to teach students how to put together a research paper. The first few weeks are spent in reading in the area of the course in class, and in an introduction to bibliographical problems. During the rest of the course the students write a long paper on a subject of their choosing. Prior to registration for the fall term the Department will publish a list of the pro-seminar topics for the following year; in the past, such topics have included the American civil war, the age of imperialism, or Germany from 1918–1939. The pro-seminar is required of majors in their junior year, and is open to others by permission. The Department may permit a student to write an equivalent research paper in a field not covered by the pro-seminars; in this case he should register for HI 500. STAFF

HI 424 and 425 The Literature of History Fall and Spring
Extensive directed reading in the field of the student's choice designed to give him a thorough grounding in the secondary literature and major interpretive problems of a particular area of history. The course will be divided into four sections: American, European, Asian and African history. The sections dealing with Modern Europe and with Asia (HI 424) will normally be offered in fall; those dealing with the United States and Africa (HI 425) in spring. (Required of majors in sophomore or junior years; open to others by permission). STAFF

HI 500 Fall and Spring
Special research projects. (Permission only). STAFF

HI 700 Independent Study (Thesis)
Seniors register in fall and winter terms for HI 700, which will constitute work on their thesis, and in the spring for one of the two courses listed below.

HI 705 General Examination
Independent preparation for examinations in two fields (American, European, Non-western) or for one field examination and a comprehensive examination.

HI 710 Topics in Comparative History Spring
Senior seminar Readings and discussions in problems chosen by staff and students, encouraging a comparative study of problems common to different periods and different fields. STAFF

MATHEMATICS

Professors: D. H. BALLOU, P. W. CARRUTH; Associate Professors: R. R. BIELLI, B. B. PETERSON[1] (*chairman*); Assistant Professors: P. K. HOOPER, M. OLINICK

The Major includes work in analysis through advanced calculus, a year of modern algebra, plus work in several elective fields. Probability and statistics, topology and geometry, real and complex analysis, number theory and advanced algebra and an introduction to digital computers are available to all majors. Each major will make a careful choice of electives with the help of his adviser in order best to fulfill his particular mathematical needs.

Advanced placement is offered freshmen whose secondary training indicates they can successfully take the sophomore course.

Seniors must register for MA 704 in the Spring Term.

Required for the Major: MA 112, MA 113, MA 201, MA 202, MA 301, MA 302, MA 401, MA 402, three electives in the Department and MA 704. Physics is recommended and, under special circumstances, certain courses in other departments may serve in lieu of one or two of the required departmental electives.

MA 101 Introduction to Finite Mathematics Fall
Selected topics from areas of finite mathematics; designed for students who have had only three years of secondary school mathematics. Elements of mathematical logic and of the theory of sets; partitions, binomial coefficients;

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introduction to probability theory, conditional probability; matrices, solution of linear equations. Mr. Hooper

MA 109 Introduction to Modern Mathematics Spring
An introduction to the content, method, and form of mathematics requiring no special background. Topics covered will be chosen by the instructor to illustrate the nature of mathematical reasoning and thought. Extensions of mathematics into new areas (e.g. plane vs. higher dimensional geometry, the theory of numbers), the role of conjecture and proof, solvability. Recent developments will be discussed where possible and topics will be approached through direct involvement in elementary research problems. (No prerequisite). (This course will also receive credit for Teacher Education.) Staff

MA 112 Mathematical Analysis-I Fall and Spring
Introductory analytic geometry and calculus; designed for students with four years of secondary school mathematics. The differential calculus of algebraic functions and applications; the indefinite and definite integral, area under a curve. Staff

MA 113 Mathematical Analysis-II Fall and Spring
A continuation of MA 112; may be elected by freshmen who have had an introduction to analytic geometry and calculus in secondary school. Applications of integration to volumes of revolution, length of arc, surface of revolution, pressure, and work; the calculus of the elementary transcendental functions; hyperbolic functions; polar coordinates; determinants. (MA 112 or permission). Staff

MA 201 Mathematical Analysis-III Fall and Spring
The calculus of functions of more than one variable. Introductory vector analysis, analytic geometry of three dimensions, partial differentiation, multiple integration and applications. (MA 113 or permission).
Mr. Ballou

MA 202 Mathematical Analysis-IV Fall and Spring
Infinite series and an introduction to ordinary differential equations. Convergence of numerical series; Maclaurin and Taylor series; first and second order differential equations, linear differential equations with constant coefficients, applications. (MA 113 or MA 201). Mr. Ballou

MA 301 Linear Algebra Fall
Topics from modern linear algebra including the algebra of matrices, determinants, rank and equivalence of matrices, linear dependence, systems of linear equations, vector spaces and linear transformations, characteristic values and vectors, orthogonal systems, canonical forms, dual spaces. (MA 113). Mr. Carruth

MA 302 Abstract Algebra I Spring
An introduction to the study of groups, rings, and fields. Algebraic structure; transformations and permutations, cosets and quotient groups; ideals, quotient rings; field characteristics. (MA 202 or permission). Staff

MA 303 Abstract Algebra II Fall
Fields and field extensions. Galois theory. Finite fields. Valuation theory and an introduction to algebraic number theory. Chain conditions and Noetherian rings. (MA 302). Offered in alternate years. MR. CARRUTH

MA 310 Probability Fall
An introduction to the concepts of probability, mostly in finite sample spaces. Discrete probability distributions; independent events, conditional probability, Bayes' Theorem; expectation, variance, covariance and correlation; joint probability distributions; Chebyshev's Theorem; Bernoulli trials; applications. (MA 112). Offered in alternate years. MR. HOOPER

MA 311 Statistics Spring
An introduction to the mathematical concepts and methods used in the statistical analysis of data, mostly with continuous random variables. Moments; convolutions and convolution integrals; functions of random variables; sampling distributions (chi square, F and t distributions); properties of estimators; confidence intervals; tests of hypotheses, Neyman-Pearson lemma, method of maximum likelihood; regression and correlation; applications. (MA 113 and MA 310). Offered in alternate years.
MR. HOOPER

[**MA 321 Elementary Number Theory**]
Divisibility and primeness. Number congruences, the theorems of Lagrange, Fermat and Euler, residue theory, quadratic reciprocity. Diophantine equations. The distribution of primes, density and the Prime Number Theorem. (MA 113). Offered in alternate years. Not offered in 1970–71.

MA 331 Introduction to Digital Computers Fall
An introduction to digital computers and computer languages. The organization of electronic digital computers; programming in FORTRAN and assembler languages; applications in numerical analysis. (MA 113 and permission. Limited to 20 students). MR. BALLOU

MA 401 and MA 402 Advanced Calculus Fall and Spring
Further topics in the calculus and real analysis. Fundamental concepts of real function theory, divergence and curl, line integrals, Green's theorem, the Stieltjes integral, infinite series, power series, Fourier series, improper integrals. (MA 202). MR. OLINICK

[**MA 411 Elementary Topology**]
An introduction to the concepts of topology. Theory of sets, topology of the real line, continuous functions and homeomorphisms, compactness, connectedness, metric and function spaces, selected topics from the topology of Euclidean space. (MA 201 or permission). Offered in alternate years. Not offered in 1970–71.

[**MA 421 Modern Geometry**]
The axiomatic foundations of geometry. Topics from Euclidean and affine geometries. Desarguesian configurations and projective geometry. The

classical synthetic non-Euclidean geometries. (MA 113 or permission). Offered in alternate years. Not offered in 1970–71.

MA 431 Complex Analysis Spring
An introduction to functions of a complex variable. Mappings of the complex plane, analytic functions, Cauchy-Integral Theorem, and related topics. (MA 202 or permission). Offered in alternate years. MR. BIELLI

[MA 432 Real Analysis]
Metric spaces. Euclidean spaces. Algebra of complex functions including Stone's generalization of the Weierstrass Approximation Theorem. Lebesgue Integrals and Measures. (MA 402). Offered in alternate years. Not offered in 1970–71.

MA 500 Advanced Study Fall and Spring
Individual study for qualified students in more advanced topics in algebra, number theory, real or complex analysis, topology. Particularly adapted for those who enter with advanced standing. (Permission). STAFF

MA 704 Problem Seminar Spring
Each student is required to complete problems designed to bring together the many facets of Mathematics investigated in the previous 3½ years. Each student presents orally at least two problems during the term. Required of Mathematics majors. STAFF

MUSIC

Associate Professor: E. FANNING; Assistant Professor: G. B. TODD (*chairman*); Instructor: J. KURTZMAN.

The offerings of the Music Department focus on three areas of the discipline: 1) The vocabulary and theory of music, 2) its historical development, 3) its creative aspects—performance and composition.

The relative emphasis on any of these three will vary for the individual music major according to his talents, interest and needs. Independent study consists of advanced work in one or more of these areas as determined by the department in consultation with the student.

It is generally assumed that the major will take MU 101 (Materials of Music), MU 105, MU 106 (History of Musical Style), MU 209, MU 210 (Theory), MU 309 (Analysis), and MU 406, MU 407 (Performance Seminar), and two other departmental offerings.

Any of these requirements may be waived or changed if the department feels the best interests of the student are served.

MU 101 Materials of Music Fall and Spring
Materials of Music addresses itself to the question, "How does one listen to a piece of music?" Works from different historical periods and genres are juxtaposed and discussed in lectures. Students are then asked to respond to pieces outside of class, keeping a record of the development of their musical understanding. Course culminates in creating original short compositions using noises, gestures, voices and other easily accessible materials. Materials of Music is designed for students with and without musical experience.
MR. TODD

MU 105 Survey of Music History Fall
Axiomatic to the approach taken in this course is the idea that music, while an independent art with its own laws, values and pleasures, is nevertheless a direct function of the aesthetics and values of the time and locale in which it is produced. The Survey of Music History is therefore not only a study of developing and changing musical styles and the men who created them, but a study of the impact on music of significant historical and philosophical movements. Broad-based conclusions will be drawn spanning large and differing segments of history, continuing right up to contemporary times. The course is thus designed to present the student with a view of music as history and artifact in a way that will prove pertinent to his other experiences in the arts, philosophy and history. MR. KURTZMAN

MU 106 Survey of Music History Spring
Continuation of MU 105. (106 may be taken without 105).
MR. KURTZMAN

MU 209 Theory Fall
The study of constructing music. Basic compositional procedures are studied using works from the literature as models. Problems in harmony, counterpoint, rhythm, orchestration and analysis. Two lectures and one lab. weekly.
MR. FANNING

MU 210 Theory Spring
Continuation of MU 209. MR. FANNING

MU 250 Music as Drama Fall
"Music as Drama" will examine those aspects and forms of music where dynamic development is a primary aesthetic consideration. Examples for close study will be taken from relevant genres of composition, such as opera, the symphony, the concerto and the string quartet. MR. KURTZMAN

MU 309 Analysis Fall
Continuation of 209 and 210 with emphasis on analysis of individual works from different historical periods. Required of music majors.
MR. TODD and STAFF

[**MU 313 Opera**]
Through the examination of selected works in the operatic literature. The opera course will focus on understanding the problems of music with drama. Not offered in 1970–71.

[**MU 314 Opera**] Not offered in 1970–71.

[**MU 315 Music of the Middle Ages**]
A study of the music literature in western civilization from the beginning of the Christian era to ca. 1450. Comparative analysis of style and form. Permission of instructor. Not offered in 1970–71.

MU 316 Music of the Renaissance Spring
Weekly discussions of the main stylistic and aesthetic developments in music

from about 1400 to 1600 in England and on the European Continent. English and Flemish influence on the emerging Renaissance style of mass and motet composition will be studied, along with the Netherlands school of sacred music and the growth of secular vocal and instrumental composition. MR. KURTZMAN

MU 325 Music in the 20th Century Spring
An examination of the music of the past fifty years with emphasis on recent works and trends in electronic media, "chance" music, musique concrete, and serialism. One class meeting per week. MR. TODD

[MU 401 Music of the Baroque Era]
A study of the late Renaissance developments that lead to the emergence of Baroque styles; analysis of these styles to the time of J. S. Bach. By permission of instructor. Not offered in 1970–71.

[MU 402 Music of the Baroque Era]
The culmination of Baroque styles as seen in the works of J. S. Bach and his contemporaries. Analysis of representative instrumental and vocal works of the period. Permission of instructor. Not offered in 1970–71.

[MU 404 Mozart]
A seminar focussing on the works of Mozart with particular emphasis on his role as a composer of operas. Permission of instructor. Not offered in 1970–71.

MU 406 Performance Seminar Fall
A course dealing with music performance; performance practices, stylistic considerations, interpretation implied by notation and historical context. Two class meetings and one three hour lab. each week. Lab. given over to individual and ensemble rehearsal. Does not satisfy Group A.
MR. FANNING

MU 407 Performance Seminar Spring
Continuation of MU 406. Does not satisfy Group A. MR. FANNING

[MU 704 Senior Seminar]
Fall and Spring term research for all departmental majors. Program to commence in 1971–72.

APPLIED MUSIC

The aim of the Department is to present music for its value as literature and as a record of one aspect of human achievement, not as professional training. We strongly encourage students to improve performing techniques as a necessary means of cultivating the art. The College will assist the student as far as possible in securing adequate instruction when not provided by the regular staff.

Students who wish private instruction in piano, organ, voice, violin, viola, violincello should enroll with the Chairman of the Department.

Fees are to be paid to the Cashier's office at the beginning of each semester. No rebate is allowed for lessons missed except in the case of continued illness. Applied Music instruction consists of 1 lesson weekly; fee $105 per semester. See department for information on financial aid.

M-1 Private Instruction in Piano MR. FANNING AND STAFF

M-2 Private Instruction in Voice STAFF

M-3 Private Instruction in Organ MR. FANNING

M-4 Private Instruction in Violin and Viola STAFF

Music Library. The Christian A. Johnson music library contains several thousand records, scores, books, and a collection of chamber music. Listening facilities in the library are available to anyone from the college community.

Practice Facilities. Practice rooms with pianos are available for individual and group rehearsal. Organs: Walcker (1969) mechanical action, 15 ranks; and Gress-Miles (1970) 48 ranks. Application should be made to the secretary of the music department.

College Orchestra. Weekly rehearsals leading to the performance of music from all periods. Performance by small ensembles is encouraged. All instrumentalists are urged to audition. Apply to secretary of music department. Exceptional players may audition for the Vermont State Symphony Orchestra. MR. FANNING

College Choir
The College Choir sings at Chapel Services and special concerts on and off campus. In keeping with the educational intent of the choral program, repertoire for all performing groups is as historically inclusive and demanding as possible. Performance in languages other than English is stressed. Audition required; open to all students without prerequisite. MR. FANNING

Recitals
Regularly scheduled recitals and lectures are open to the public.

PHILOSOPHY

Professors: J. T. ANDREWS, L. C. BIGELOW; Associate Professor: G. D. O'BRIEN (*acting chairman*); Instructor: M. K. TEMIN

The basic course for the Major Program in Philosophy is PA 205 and PA 206, which is a survey of dominant philosophical ideas and their development in the western world, from the time of the early Greeks to the 20th Century. This course should be taken in the sophomore year; a satisfactory grade in it will constitute qualification for acceptance as a major in the department. Other course requirements for the major are: PA 203 (Introduction to Logic), PA 303 (Ethics), PA 315, (20th Century Philosophy), PA 316, (Analytic Philosophy), and the Senior Seminar. To complete the Major in Philosophy a total of eight courses (including Senior Seminar) is required as a minimum.

PA 101 Moral Problems Fall
An introduction to the problems of ethics, dealing with such basic notions as "good," "right," "obligation," "responsibility," and "validity of moral judgments." Selected readings from the moral philosophers. The course meets in small sections. (Limited to freshmen or permission). STAFF

PA 102 Knowledge and Existence Spring
A general systematic introduction to problems in metaphysics and theory of knowledge, dealing with such questions as the nature of reality, knowledge and meaning. Selected readings from the philosophical literature. STAFF

PA 203 Logic Fall
Introduction to the principles of valid inference, deductive and inductive. Topics dealt with are: logical functions of language, definition, syllogistic reasoning, truth-functional arguments, and the elements of scientific method. Does not satisfy Group A requirement. MR. ANDREWS

[PA 204 History of Science]
Offered in alternate years. Not offered 1970–71.

PA 205 History of Western Philosophy (Ancient) Fall
Main themes of philosophic thought from the beginning through the Hellenistic period. Concentration on principal figures and on critical discussion of the ideas involved, with an eye to their relevance to modern questions. Authors read: Pre-Socratics, Plato, Aristotle, Lucretius. (Two lectures, one discussion section per week). MR. BIGELOW, MR. TEMIN

PA 206 History of Western Philosophy (Modern) Spring
Development of philosophic thought from the time of the Scientific Revolution to the 20th century. Principal emphasis on theory of knowledge and metaphysics and their connections with developments in science. Among the authors read: Bacon, Descartes, Locke, Berkeley, Hume, Kant. (Two lectures, one discussion section per week). MR. BIGELOW

[PA 210 Philosophy of Education]
An examination of the theory and practice of higher education as seen both in the systematic development of educational philosophies by Plato, Dewey, Whitehead and in actual historical examples of educational philosophies applied to certain institutional structures. (This course will also receive credit for Teacher Education.) Not offered in 1970–71.

PA 213 Philosophy of Religion Fall
An investigation of the philosophical problems raised by the claims of religious belief. Extended analysis will be undertaken of the problem of God: does He exist? what does it mean to say that He exists? why is His existence a matter of concern? In addition, religion itself will be considered as a phenomena in its interrelations to science, ethics and art. MR. O'BRIEN

PA 218 Symbolic Logic Spring
A course designed to introduce the student to the field of symbolic logic. The course will deal with the following topics: Truth Functions, Quantification Theory and Deductive Method, Relations, Descriptions and Classes. (PA 203 or permission). Does not satisfy Group A requirement.
MR. ANDREWS

PA 303 Meta-ethics Spring
A survey of major twentieth century meta-ethical theories. MR. BIGELOW

[PA 306 Esthetics]
A study of the philosophical problems raised by the nature and functions of art: the esthetic experience and the creative process; the work of art and the esthetic value; the appreciation of art and the problem of criticism; the relation of art to society. (One semester of Philosophy and permission. Limited to 15). Not offered in 1970–71.

PA 312 Philosophy of Science Spring
Principles which underlie the experimental method, the nature of hypotheses and scientific explanation, criteria by which empirical hypotheses are evaluated, scientific laws, causation, the uniformity of nature. Concrete illustrations from the sciences. MR. ANDREWS

[PA 314 The Nineteenth Century]
A study of the major philosophical trends in the nineteenth century, with particular emphasis on the rise of Classical German Idealism (Hegel or Schopenhauer) and the existentialist revolt (Kierkegaard or Nietzsche). (PA 102 or PA 206 or permission). Not offered in 1970–71.

PA 315—20th Century Philosophy Fall
Seminar: Authors will include representatives of the Pragmatic and positivistic traditions. (One year of Philosophy). MR. BIGELOW

PA 316 Analytic Philosophy (seminar) Spring
An examination of current concepts of the mind, the self, and philosophical perplexity. Stress will be on Ryle, Wittgenstein, Austin, and Strawson. (One year of Philosophy and by permission). MR. TEMIN

PA 401 Systems of Philosophy: Kant Spring
The investigation of a single philosophical synthesis as exemplified in the work of a major philosopher (e.g., Plato, Aristotle, Aquinas, Hobbes, Spinoza, Hume, Kant, Wittgenstein). The content of the course will vary according to the philosopher discussed in any term. MR. ANDREWS

PA 405 Philosophy of Language (seminar) Fall
An attempt to define the notions of communication, meaning, the relation of language to thought, and the ontological commitments of discourse. (Prerequisite: two terms of Philosophy or permission). MR. TEMIN

PA 500 Special Research Fall and Spring
STAFF

PA 704 Senior Seminar Fall and Spring
In the Fall term research reports are presented on topics selected by the Staff. In the Spring, students select an area of concentration for investigation.
STAFF

PHYSICAL EDUCATION (MEN)

Professors: R. W. COLMAN, W. J. NELSON (*director*); Assistant Professors: J. W. ANDERSON, J. F. BOWER, W. F. FORBES, E. W. MACKEY; Instructors: W. E. HESS, G. T. LAWSON; Trainer: R. W. WATERMAN

All physically fit freshmen and sophomores are required to participate in organized activities at least two periods a week. Two years of physical education are required for graduation. No academic credit is given for PE 11, PE 12, PE 21 and PE 22.

PE 11, PE 12 Physical Training (Instruction) Fall, Winter, Spring
Instruction in rules and techniques in team and individual sports. Lacrosse, touch-football, volleyball, basketball, trampoline, swimming, badminton, soccer, tennis, golf, softball, skiing and skating. Squad members of freshman sports reporting regularly are excused from class for season. Required of freshmen.
STAFF

PE 21, PE 22 Physical Training (Activity) Fall, Winter, Spring
Individual exercise. Individual sports. Weight lifting, tennis, golf, swimming, skiing, skating, badminton, bowling. Emphasis placed on carry-over sports and games. Team games in intramural athletics. Required of sophomores.
STAFF

[PE 305 Safety in Physical Education and Sports]
Safety factors; schools, communities, industry, highways, physical education, recreation and sports. Liabilities, defenses, insurances. (Permission). Not offered in 1970–71.

PE 306 Minor Sports Fall
Fundamentals, rules and techniques of running a complete high school sports program. Schedules, officials, tournaments. (Permission).
MR. NELSON and STAFF

[PE 307 Methods and Principles]
Comparison of U.S. physical education with training in other countries. Calisthenics and combative exercises. (Permission). Not offered in 1970–71.

[PE 308 Organization of Play]
The world history of physical education with emphasis on the influence of athletics; youth fitness. Games of low organization. (Permission).
Not offered in 1970–71.

PHYSICAL EDUCATION (WOMEN)

Associate Professors: MISS M. E. LICK (*chairman*), MISS J. L. TOWNE; Assistant Professor: MISS F. GULICK.

The Department of Physical Education for Women provides a two-year instructional program in physical education which is required of all freshman and sophomore women. Freshman Physical Education (PE 15, Winter Term, and PE 16) and Sophomore Physical Education (PE 25, Winter Term, and PE 26) are required for graduation but carry no academic credit. A yearly medical examination is required of each woman participating in departmental programs. Women provide themselves with apparel appropriate for the courses undertaken.

The physical education program is planned to promote women's competence, interest, and participation in physical activities both during and after the college years. Students will undertake courses in each of the three areas of aquatics, movement and dance, and sports and will work toward achievement of the intermediate or higher level in at least one activity in order to meet department requirements for breadth and depth in physical education courses. Having met these requirements, students will elect courses of

their choosing to complete the two-year requirement. Independent and special programs are available for those students of outstanding ability who have been approved by the entire department faculty.

Instruction is given in the following activities in appropriate seasons: archery, badminton, basketball, choreography, fencing, field hockey, golf, gymnastics, horseback riding, ice skating, lacrosse, modern dance, movement education, rhythmic exercise, skiing, soccer, swimming, synchronized swimming, tennis, and American Red Cross courses in Senior Life Savings and Water Safety instruction.

PE 15, Winter Term, and PE 16 Physical Education
Fall, Winter, and Spring

Courses in aquatics, movement and dance, and sports.
Required of Freshmen STAFF

PE 25, Winter Term, and PE 26 Physical Education
Fall, Winter, and Spring

Courses in aquatics, movement and dance, and sports.
Required of Sophomores STAFF

PE 271 Dance . . . A Performing Art Fall, Spring
A course involving the performing aspects of Modern Dance. It is designed to develop an appreciation for the Dance as a creative and disciplined art form and to train the students as dancers capable of effective and artistic communication. Included are Technique and Composition Classes, Repertory, Seminar and Production. Three classes a week plus three technique classes. (Previous dance experience or permission). MISS GULICK

PHYSICS

Associate Professor: R. K. GOULD (*chairman*); Assistant Professor: B. L. WRIGHT; Instructors: D. W. TERWILLIGER, P. F. WINKLER

The course offerings in the Department of Physics are designed to fill the needs of a liberal arts curriculum. The offerings are suitable for three categories of students: (1) Those who do not intend to specialize in science, but have an interest in science; (2) Those who desire a basic introduction to physics as an adjunct to a major in another science; and (3) Those who major in physics. Students normally major in physics as preparation for graduate study in the sciences or engineering, as preparation for a professional school, or as preparation for teaching. Students planning to major in physics should begin their study in the freshman year with PH 109, PH 110 (General Physics). In very exceptional cases, however, entering students with excellent secondary school training may, with the permission of the chairman of the physics department, be permitted to enroll in PH 201, PH 202 (Modern Physics)

PH 101, PH 102 (Introductory Physics) is designed for students in category (1) above. It is a self-contained course which provides a broad insight into the field of physics and an understanding of how a natural scientist works. PH 101, PH 102 provides non-scientists with a background in science which is essential for liberal arts students. PH 251 (Astronomy) may also be elected by students in category (1).

PH 109, PH 110 (General Physics) and PH 201, PH 202 (Modern Physics) are designed as a four-term sequence of courses covering at an elementary level the complete spectrum of general physics from Newton to the present. These courses are essential to students in both categories (2) and (3). Students in category (2) may wish to take further physics courses according to their individual interests.

Students intending to major in physics (category (3) above) will find that the department offers a full complement of both theoretical and experimental courses. The basic

core curriculum required of all majors includes the four term sequence of Mathematical Analysis, a year each of General Physics and Modern Physics, one term each of Electricity and Magnetism, Mechanics, Quantum Mechanics and Advanced Laboratory, and, in the senior year, two terms of Independent Study culminating in the Comprehensive Examination (2 credits total). How many and what other courses in physics and other sciences are taken by a major depend on his goals and are determined by him in consultation with a department adviser.

PH 101, PH 102—Introductory Physics Fall and Spring
This course is designed to give an understanding of the subject matter, methods, purposes, and philosophy of physics as an example of a physical science. The complementary nature of experiment and theory in the building of a science is emphasized. Topics to be covered include force and motion, molecular theory, electrical energy, atomic physics, and several aspects of modern physics. This course will permit the student to understand better contemporary developments in physics, as well as to place such developments in historical perspective. Laboratory experiments are treated as investigations, rather than as routine technical measurements. This course is not designed for science majors. No calculus is required. Three hrs. of lecture and one three-hour laboratory. MR. WRIGHT

PH 109, PH 110—General Physics Fall and Spring
An introductory course to mechanics, waves and oscillatory motion, acoustics, heat, optics, and electricity and magnetism. A sound background in algebra and geometry is supposed. The ideas of calculus are introduced in PH 109 but no manipulative skill in calculus is required of the student until the latter part of the course. Use of the computer is taught and the computer is used extensively as an aid in analyzing experimental results obtained in the laboratory and in solving problems. MA 112 is a corequisite of PH 109. Three hours of lecture, three hours of laboratory. MR. GOULD AND STAFF

PH 201, PH 202—Modern Physics Fall and Spring
This course extends the general physics sequence into the realm of modern physics. Topics to be covered are kinetic theory, atomic structure and spectra, an introduction to the theory of solids, and basic properties of the nucleus. Special emphasis is given to the two great triumphs of twentieth-century physics: special relativity and the quantum theory. (PH 109, 110 or permission). Three hours of lecture and one laboratory/problem session. MR. WINKLER

PH 251—Introduction to Astronomy Fall
An introduction to current ideas about the sun and planets, stellar evolution, the galaxy, and beyond. The college observatory is used for observational work. (PH 102 or PH 110 or permission). Three hrs. lecture, three hrs. lab. STAFF

PH 301 Electricity and Magnetism Fall
Electrostatic field; conductors; dielectric theory; simple d.c. and a.c. circuits; Thevenin's theorem; magnetic field; electro-magnetic induction; magnetic materials; Maxwell's equations. (PH 110, Mathematics: MA 201). Three hrs. of lecture and one three-hour laboratory. STAFF

PH 302 Electromagnetic Theory Spring
Maxwell's equations; electromagnetic waves in free space and in media; reflection and refraction; wave guides; electromagnetic radiation; Lienard-Wiechert potentials; covariant formulation. (PH 301). Three hrs. of lecture.
STAFF

PH 303 Intermediate Mechanics Fall
Principles of Newtonian Mechanics; vector algebra and calculus; motion of a particle in two and three dimensions; statics and dynamics of a system of particles and of rigid bodies; moving and rotating coordinate systems; potential theory; an introduction to the mechanics of continuous media. (PH 110, Mathematics: MA 201). Three hrs. of lecture. STAFF

PH 304 Advanced Mechanics Spring
Kinematics and dynamics in inertial and accelerated frames; variational principles; Lagrange's equations for holonomic and non-holonomic systems; Hamilton's canonical equations; normal coordinates; angle and action variables; Hamilton-Jacobi equation. STAFF

[**PH 305 Physical Optics**]
An intermediate course using the principle of superposition to study interference, diffraction, and polarization in waves. Phase and group velocity, absorption and dispersion are treated. (PH 110, Mathematics: MA 201 and permission) 3 hrs. lecture, 3 hrs. laboratory. Offered in alternate years. Not offered in 1970–71.

PH 401 Quantum Mechanics Fall
Operators, operator equations, Schroedinger's equation, quantized angular momentum and spin; some application to atomic and nuclear systems. (PH 202) Three hrs. of lecture. STAFF

PH 402 Advanced Modern Physics Spring
Continuation of PH 401. Topics include approximation methods of quantum mechanics, atomic scattering; application of quantum mechanics to atomic, molecular, and nuclear systems. Three hrs. of lecture. STAFF

PH 404 Advanced Laboratory Spring
This course allows the student to use the more advanced techniques and concepts of modern physics by performing several experiments selected from the areas of atomic and nuclear physics that have laid the foundation and provided the evidence for modern quantum theory. Students are required to formulate the purpose and procedure of each experiment, to analyze the results in detail, and to present their evaluations and explanations in a research report. (PH 202) Two discussion periods, two three-hour laboratories. MR. TERWILLIGER

PH 405 Thermodynamics-Kinetic Theory-Statistical Mechanics Fall
The first, second, and third law of thermodynamics; thermodynamic potentials; velocity distributions; transport phenomena; fluctuations; ensembles; Liouville's theorem; Maxwell-Boltzmann, Bose-Einstein, Fermi-Dirac statistics. (PH 110 and Mathematics: MA 202). Three hrs. of lecture. (Offered in alternate years). STAFF

PH 500 Research and Special Topics Fall and Spring
By permission STAFF

PH 705 Independent Study and General Examination
Fall and Winter
Independent study of all seniors in fall and winter term followed by comprehensive examination in April (2 credits total). STAFF

POLITICAL SCIENCE

Professors: C. L. HOAG, H. E. THURBER; Assistant Professors: R. W. FONTAINE, R. J. LENG (*chairman*), P. E. NELSON; Instructor: M. P. DRY

The major in Political Science examines the theory and practice of politics. The major program begins with a term study of politics in general, followed by a term of American politics. Intermediate level courses are offered in the major fields of the discipline. The senior program is directed toward intensive study in research seminars. The Department offers a selected core curriculum with a broad range of approaches to the study of politics, including philosophic, traditional, and scientific analysis. The curriculum is designed to meet the demands of modern citizenship as well as the basic preparation for graduate work or law school.

Required for the major in Political Science: PS 101, 102, two Senior Research Seminars (400 level courses), a minimum of ten Fall and Spring term courses, including two courses in each of three of the following fields: American Political Institutions, International Relations and Foreign Policy, Comparative Politics, and Political Philosophy and Behavior. Majors should also consult with their Department advisers for appropriate cognate courses.

The Senior program consists of two Senior Research Seminars, each of which includes an advanced research project. The Research Seminars are listed as 400 level courses below. They may be taken at any time beginning with the Spring term of the Junior year, but they must be taken during separate Fall or Spring terms. The Department recommends that students considering honors work enter a Senior Research Seminar during the Spring term of their Junior year. Two course credits are granted for the Senior Program.

Students may become candidates for Honors in Political Science at any time after the beginning of the Spring term of the Junior year and prior to the Spring term of the Senior year. Honors projects will normally be begun in the Senior Research Seminars or 500 projects. Prior to the beginning of the Spring term of the Senior year, the Department will determine whether Senior Seminar or 500 projects are progressing satisfactorily enough to be continued as Honors projects. One course credit (PS 500) is granted for Honors work.

PS 101 Introduction to Political Science Fall
A study of the classics in political science from Plato to Marx, involving an analysis of fundamental political problems and the basis of their solutions as well as a consideration of the different approaches to the study of politics. Two lectures and one discussion section per week. MR. DRY AND STAFF

PS 102 The American Political Regime Spring
An examination of the principles and structure of the American political regime, followed by a study of some of the basic problems of American politics. Readings include the Federal Convention, Jefferson, Federalist, Calhoun, Lincoln, Malcolm X, Supreme Court cases, and interpretative essays. MR. DRY AND STAFF

American Political Institutions

PS 203 American Politics and Legislation Fall
The American political process; the theory and practice of politics; the functions and activities of political parties and interest groups and their role in the initiation and control of governmental policies, including a consideration of crucial political issues and practical politics. MR. THURBER

PS 204 American Politics and Legislation Spring
The formal and informal aspects of legislative organization and procedure; a study of political power as it is found in the legislative process and in the activities of the power groups found in American society. Closely related to current legislative proceedings. MR. THURBER

PS 301 State and Local Government Spring
Institution structure and political process at the state and local level. Contemporary issues and problems facing state and local government in the American political system. MR. THURBER

PS 303 Public Administration Spring
A study of some fundamental aspects of administrative phenomena, including the common elements and the differentia of public and private administration; the necessity or dispensability of administrative frameworks; the relations between law, politics, and administration; the meaning of and arguments for administrative responsibility or accountability, as well as for autonomy and discretion. Particular attention will be given to a number of concepts of the ideal administrator in American public personnel history. (Offered in alternate years). MR. NELSON

PS 305 American Constitutional Law: Principles and Structure Fall
Study of the judicial function and the constitutional principles of federalism and the separation of powers as the Supreme Court has enunciated them in leading cases. A Mock Court exercise involving the Fourteenth Amendment and racial discrimination concludes the course. (PS 102 or permission). MR. DRY

[PS 306 American Constitutional Law: Individual Rights]
Study of the Supreme Court's treatment of representative government, freedom of speech, press, assembly, and religion, and the rights of the accused. Focus on the adjudication of conflicting rights. A Mock Court exercise in one or more of the above areas is anticipated. (PS 102 or 305 or permission). Not offered 1970–1971.

[PS 316 American Political Thought]
The Founding. Study of the Federal Convention and the subsequent Federalist-Anti-federalist debates during ratification with a view toward understanding the fundamental issues of modern republican government. Offered in alternate years. Not offered in 1970–71.

PS 412 The American Presidency Fall
Powers, purpose, and functioning of the Presidency in the American political system. (Juniors and Seniors). MR. THURBER

International Relations and Foreign Policy

PS 201 International Politics Fall
Introduction to the study of international politics. Approaches to the analysis of foreign policy-making, international systems and the causes of international conflict. Lectures and discussion, independent study, and diplomatic simulation exercise. MR. LENG

PS 202 Contemporary International Politics Spring
A study of international strategy and approaches to conflict resolution in major areas of conflict in the contemporary international system. Includes an exercise in inter-nation simulation. (PS 201 or permission). MR. LENG

PS 304 Theories of International Politics Spring
An examination of international politics as a discipline. Emphasis will be on major contemporary approaches, methodological trends, and analysis of the international system. MR. LENG

PS 311 American Foreign Policy: Institutions and Processes Fall
Critical examination of contemporary administrative problems in foreign policy formulation and implementation, involving such issues as constitutional authority versus political expediency, competition between the President and Congress, adequacy of Executive organization: State and Defense Departments, Foreign Service, Intelligence; the role of public opinion; and, review of the decision-making process through pertinent case studies. Individual oral and written reports. MR. HOAG

PS 312 American Foreign Policy: Diplomacy of the Cold War Spring
Seminar consideration of the background, development, and current condition of the so-called "Cold War" situation and policies. Critique of American policies may be related to one of several periods, including: America-Soviet Relations 1917–1933; Conferences of World War II; The Era of 1945 to the Present. Individual oral and written reports. MR. HOAG

PS 405 Seminar on International War Fall
Research seminar on the analysis of the causes and consequences of international war. The course focuses on wars in modern nation-state systems. Students will study contemporary approaches to analysis, including systematic history and game theory, to be used as research tools for specific projects. (Seniors and 201 or 304 or permission). MR. LENG

Comparative Politics

PS 205 The Study of Comparative Politics Fall
An introduction to the field of comparative politics. The history of comparative method, its advantages and limitations in the study of politics will be examined. There will be a survey of the major theoretical approaches used in comparative political analysis as well as an examination of one political system using one of the new approaches. MR. FONTAINE

PS 206 Political Systems of Europe Spring
A comparative analysis of selected political systems in Europe. Emphases

will be on variations in political structures and functions between democratic Great Britain and totalitarian Soviet Union. MR. FONTAINE

PS 309 Government and Politics of China and Korea Fall
Analysis of the ideologies, political movements and institutions; domestic and foreign policies, with emphasis upon contemporary issues. Class discussion supplemented by oral and written reports based on current literature. MR. HOAG

PS 310 Government and Politics of Japan and India Spring
Examination of the origin of the political systems, political processes and governmental institutions as related to political participation and the satisfaction of contemporary demands. Class discussion supplemented by oral and written reports based on current literature. MR. HOAG

PS 314 The Politics of Developing Areas Fall
A study of the political processes and structures of the developing areas. The most salient problems facing the new nations, their capabilities in coping with these problems, and their future prospects will be analyzed. The approach will be comparative with empirical data drawn from a wide range of geographical areas. MR. FONTAINE

PS 407 The Politics of Modernization Spring
A comparative study of social change in Latin America. Topics will include the role of traditional elites, the middle class, the military, political parties and ideology. (Seniors and 314 or permission). MR. FONTAINE

PS 408 Government and Politics of Southeast Asia Spring
Examination of the effects of Nationalism, Communism, and Modernization upon the area, with special attention directed to Burma, Thailand, Vietnam, Malaysia and Indonesia. Broad reading supplemented by special comparative and particular country studies through oral and written reports based on contemporary studies. (Seniors and Juniors). MR. HOAG

Political Philosophy and Behavior

PS 317 Political Philosophy Fall
An examination of contemporary theoretical positions in or affecting political science, followed by study of the writings of selected Greek, Roman, Christian, Jewish and Muslim political philosophers. The period covered in the historical part of the course is roughly from Plato to Machiavelli. MR. NELSON

PS 318 Political Philosophy Spring
A continuation of PS 317 from Machiavelli to the present. (PS 317 or permission). MR. NELSON

PS 401 Seminar on Representative Government Spring
This seminar will attempt to answer the question "what is representative government?" by examining how it came into being. Both the account which

accents human choice, in which case there was a founding, and the one which accents the force of circumstances, in which case there was an unconscious development, will be considered. Readings will be drawn from the leading men of practice as well as from the leading interpretations of both accounts.
MR. DRY

PS 409 Seminar on Political Theory Fall
A study of scientific political science, with special reference to three themes: the general philosophical foundations of this approach to political phenomena, systems theory as a specific example of this approach, and the relevance of scientific political science to some current political problems. (Senior standing in the major or permission). MR. NELSON

Independent Projects

PS 500 Advanced Projects in Research
A program of independent research designed to meet the individual needs of advanced students majoring in Political Science. (Permission). STAFF

PSYCHOLOGY

Professor: A. H. EWELL (*chairman*); Associate Professor: D. L. PROUTY; Assistant Professors: L. J. PELLEGRINO, J. T. POLEFKA

For the student who majors in psychology engagement with experimental data lays the basis for an empirically-founded and objective formulation of principles of human behavior. He may encounter the data in published research reports, in his regular laboratory work, and in connection with his own research along lines that he finds important. The relevant observations may involve human subjects or sometimes infra-human subjects for the better experimental control that they may permit. Whatever the sources of his observations, the student comes to see them as products of the experiments that generated them, and thus he evaluates their importance for hypothesis or generalization.

As a psychology major the student takes a program of elective and required courses in psychology and related disciplines. By the end of his sophomore year, through work in Psychology, in Mathematics, and in Biology and/or Chemistry, he has acquired familiarity with many of the data, concepts, and research procedures essential to an understanding of human behavior. During his last two years he makes use of his accumulated knowledge and skills in his deep involvement with several areas of central importance to psychology.

Students generally choose to complete as much as possible of their formal course work toward the major by the end of the junior year so that their work in psychology as seniors can be devoted to independent reading and study and possibly to individual research leading to Departmental Honors.

Required for a Major in Psychology: PY 101, PY 102, PY 201, PY 301, PY 312 and at least three additional fall or spring term courses in psychology; participation during one winter term in a psychology winter program from among those indicated as meeting the departmental requirement; Qualification in Psychology, Senior Seminar (PY 704) and the General Examination in Psychology (PY 705); completion of the following extra-departmental requirement: a year of college mathematics and at least two one term courses in the Natural Science Division, these courses to be chosen in consultation with the Psychology Department.

Qualification in Psychology must ordinarily be accomplished by the end of the student's sophomore year and is achieved by completion of Psychology PY 102 with a grade of at least 70, by completion of Psychology PY 201 with a grade of at least 70, and

by completion of the extra-departmental major requirements as stated above. A student who has not met Qualification by the end of his sophomore year may be granted exception to the requirements on action of the Department in response to his written request.

Senior Seminar (PY 704) involves conferences with staff and preparation of several papers and presentation of these papers to a seminar during the fall and spring terms of the student's senior year. Preparation for the General Examination (PY 705), given yearly in May, will involve independent reading by the student. This preparation may be done as the equivalent of one course during the fall or winter or spring term of the student's senior year at his choice.

If the student seeks to be graduated with Departmental Honors in Psychology he must apply to the Department before February 1 of his junior year. He will then register for Advanced Research (PY500) during the spring term of his junior year to delimit his problem and conduct any necessary pilot or feasibility studies for his research. Upon successful conclusion of such studies he will, if he chooses, be admitted to Honors candidacy, and continue his research during his senior year as part of his work in PY 704. He may also, if he chooses, devote the Winter Term of his senior year to his research. Upon successful completion of his project an Honors Examining Board will be convened to consider and make recommendation about the order of Departmental Honors to be awarded upon his graduation. These orders include Honors, High Honors, and Highest Honors in Psychology.

PY 101 and PY 102 Fundamentals of Psychology Fall and Spring
To acquaint students with the foundations of psychology and also to serve as basis for advanced work in the field, this course deals with the scientific study of human behavior. The lectures and discussions constitute a detailed examination of the major topics of psychology on the behavioral, cognitive, and biological levels, and explore the nature and variety of behavior with a view to providing a set of explanatory principles. The final examination in PY 102 will cover the year's work. (Open to freshmen and sophomores without permission. Open to juniors and seniors with permission). (This course will also receive credit for Teacher Education.) STAFF

PY 201 Principles of Research in Behavioral Science Spring
This course introduces the student to behavioral experimentation through a consideration of the problems relating to the design and analysis of experiments. It deals, further, with the accepted procedures for describing and reporting the outcomes of such research. (PY 101; two terms of college mathematics or permission). 3 hrs. lecture, lab. MR. EWELL

PY 225 Developmental Psychology Spring
The purpose of this course is to examine human development in terms of the principles and methods of psychology. The course will consider in turn such topics as: the nature of the developmental process, the methodology of child study, perceptual-motor development, the development of language and intellectual skills, and the development of gender role. (PY 102). (This course will also receive credit for Teacher Education.) MR. PROUTY

PY 229 Social Psychology Fall
After a brief review of the implicit assumptions, both historical and contemporary about "the nature of human nature," this course proceeds to a critical examination of the basic experimental literature in the field. At the same time it also examines a number of areas within social psychology (e.g.

communications, attitudes, group dynamics) from the point of view of the relation between empirical data and theory. The emphasis throughout is on the individual in the social situation, and the basic principles from general psychology underlying his behavior. (PY 101 and PY 102, or permission).
MRS. POLEFKA

PY 301 Physiological Psychology Fall
Lectures deal with the ways in which underlying neurophysiological, neuroanatomical, and endocrinological processes affect behavior. In laboratory the student has first-hand contact with the procedures used in psychology to relate structure and function. (PY 101, 102 and permission). (Permission will be granted to students having strong backgrounds in psychology, biology, or chemistry.) 3 hrs. lecture, lab.
MR. PELLEGRINO

PY 311 Experimental Psychology: Psychophysics and Scaling Fall
Lectures deal initially with the definition and measurement of the sensory unit and the procedures of psychophysical scaling. Later lectures deal with procedures for scaling intelligence and attitude. Laboratory work includes representative experiments dealing with psychological scaling procedures. (Permission). 3 hrs lecture, lab.
MR. EWELL

PY 312 Experimental Psychology: Learning Fall
The course involves a detailed examination of research in the area of learning with respect to problems of experimental design and theoretical interpretation. The topics studied include Pavlovian conditioning, instrumental training, discrimination, transfer of training, and verbal learning. The laboratory work in this course centers around conditioning and training techniques with human and animal subjects (PY 102). 3 hrs. lecture, lab.
MR. PROUTY

[PY 314 Experimental Psychology: Sensory Processes]
Not offered in 1970–71.

PY 316 Research in Physiological Psychology Spring
In this course the students explore intensively the various experimental procedures used in psycho-physiological research. In laboratory they carry out a number of these procedures, observe their effects on behavior, and histologically verify their central nervous system loci. (PY 301 and permission). 2 hrs. lecture, 3 hrs. lab.
MR. PELLEGRINO

PY 322 Measurement of Human Performance Spring
This course is devoted to the procedures of recognizing, through tests and otherwise, the problems of mental retardation, brain injury, emotional disturbance, and of the "bright" or "dull" child. Some consideration is given to the treatment of these problems. Students with particular interest in one type of problem will have the opportunity to explore that problem in depth. (PY 101 and PY 102 and permission). (This course will also receive credit for Teacher Education.)
MR. EWELL

PY 326 Personality Spring
This course emphasizes the scientific conceptualization of the unique indi-

vidual personality. Various historical and contemporary formulations are critically examined in the light of both the available experimental evidence and the criteria for acceptable hypotheses. On the basis of these considerations, the course attempts to specify appropriate approaches to, and conceptualizations of, the individual. (PY 101, PY 102). MRS. POLEFKA

PY 426 Psychopathology Fall
An initial series of lectures deals with the symptomatology and nosology of mental illness. The research literature on the etiology of mental illness, and on selected topics in psychopathology (e.g., epilepsy, experimental neurosis, psychotomimetics) is reviewed and assessed by student panels or through student research papers presented to the seminar. (PY 101, PY 102 and permission). MR. EWELL

PY 500 Advanced Research
A program of research arranged to meet the needs of advanced students majoring in psychology. (Permission). STAFF

PY 704 Senior Seminar Fall and Spring
In this program, required of senior psychology majors during Fall and Spring terms, the student with faculty guidance chooses one or a small number of topics in the literature of psychology to pursue deeply on his own. He reports to his fellow students several times on this work. Participation in this program carries one course equivalent in each of the two terms. STAFF

PY 705 General Examination in Psychology
Senior psychology majors are expected to work independently throughout the year in preparation for the General Examination given in May. This examination covers the field of psychology rather than specific course material. Each student is granted one course equivalent for preparation for this examination. He may take that equivalent, at his own choice, during the fall, winter, or spring term of his senior year. STAFF

RELIGION

Professors: R. L. FERM (*chairman*), C. P. SCOTT; Associate Professor: V. L. NUOVO; Instructor: S. C. ROCKEFELLER [1]

The program of the Department of Religion is designed to introduce the student to various aspects of the religious experience of mankind. The courses numbered RE 200 are open to all students, including freshmen.

A major in religion shall fulfill the following requirements: three courses numbered in the 200's, four courses numbered 300, a thesis written during the fall and winter terms of the senior year which may count for two or three course units, and two to four cognate courses approved by the department.

RE 101 Seminars in Religion Fall and Spring
A course organized around six week seminars which deal in depth with a particular issue or topic. The student will select two seminars at the beginning of the semester from a list prepared by the department. The topics for

1: Winter and Spring Terms 1970–71

1970–71 will include: "A Critique of the Radical Theology," "Myths of Creation," "Zen Buddhism." STAFF

RE 201 The Biblical Heritage Fall and Spring
An introduction to biblical history and literature. This course will be offered each semester. MR. SCOTT

RE 203 Classical and Contemporary Issues in Religion. Fall and Spring
A study of classical and contemporary perspectives on such topics as the idea of God, the problem of evil, human freedom and destiny. This course will be offered each semester. MR. NUOVO, MR. ROCKEFELLER

RE 204 Religious Traditions of Asia Spring
Historical studies of the development of the classical religious traditions of Asia: Hindu, Buddhist, and Muslim. The content of the course will alternate each year between the religious traditions of India (Hindu and Muslim) and the development of Buddhism in East Asia. In Spring 1970–71 the topic will be "The Religious Traditions of India": The Vedic beginnings; classical Brahmanism and the philosophy of the Upanishads; classical Hindu theism; Islam in India; the present state of religion in India.
MR. NUOVO

RE 205 The Shaping of American Religious Life Fall
A study of the historical sources of the western religious traditions and their expression in the social and intellectual context of American history.
MR. FERM

Studies in Religion

The following courses, limited in enrollment, may change in number and topic from year to year. They may be elected, with the permission of the instructor, by students who have not had previous courses in religion.

RE 301 The Thought of Paul Tillich Fall
A study of the theological, philosophical, and ethical issues discussed in Tillich's shorter works: e.g., *The Protestant Era, Biblical Religion and the Search for Ultimate Reality, Morality and Beyond, The Courage to Be, Dynamics of Faith.* MR. NUOVO

RE 302 Modern Religious Thought Spring
An examination of the major theological issues of the nineteenth and twentieth centuries. MR. ROCKEFELLER

RE 303 The Upanishads and Classical Vedanta Fall
Critical study of the major Upanishads, Brihadaranyaka, Chhandogya, et al. and their interpretation in the classical systems of Shankara and Ramanuja.
MR. NUOVO

RE 304 The Idea of God in the History of Religions Spring
The origin of the idea of God in human consciousness and its meaning in

various cultures. This course will juxtapose selected accounts of the idea of God, e.g., in primitive society, Classical Greece, the Biblical and Hindu traditions and modern interpretations. MR. NUOVO

RE 306 Topics in Science and Religion Spring
An inquiry into the possibility of a theological understanding of the natural world, informed by recent investigations in the natural sciences and in theology. The course will present selected issues for discussion: religious and scientific language; religious and scientific ways of knowing; the moral implications of scientific endeavor; the doctrine of Creation and evolution; human freedom and genetic control; etc. MR. SCOTT

RE 308 Puritanism and Revivalism in America Spring
Reading and discussion of original documents from Puritans and Revivalists, including John Winthrop, Jonathan Edwards, Charles Finney and Billy Sunday. MR. FERM

RE 500 Independent Study

RE 700 Senior Research

RUSSIAN

Professor: R. L. BAKER (*chairman*); Assistant Professors: S. F. ORTH, JR., G. R. MOTOLANEZ; Associate: MRS. A. BAKER

The major in Russian consists of a series of courses leading systematically to a high degree of proficiency in the spoken and written language and to a general knowledge of Russian literature and cultural history from its beginnings to the present day.

While more and more students enter Middlebury College with two or three years of high school Russian, the majority of freshmen enrolling in Russian are just beginning their study of the language. A minimum of about two years of study of the language is necessary before one can effectively apply it to the study of literature and civilization. In order to introduce the major to Russian culture as soon as possible and while he is still learning the language, the Department offers the following course conducted in English: RU 251 and RU 252, Russian Literature and Culture. This course is also open to students who are majors in other departments. Students from other departments are also welcome in the following courses, which require no knowledge of Russian: RU 351, Dostoevski; RU 352, Tolstoy; RU 353, The Russian Short Story; and RU 354, 20th Century Russian Literature.

Admission to the major program is attained through satisfactory grades in RU 202 and RU 252 or through satisfactory scores on the qualifying examination. The qualifying examination will cover all language skills and a general knowledge of Russian literature and culture from its beginnings to the present day.

Required for the major: RU 301, RU 302 and three courses chosen from the following: RU 311, RU 312, RU 401, RU 402, RU 411 and RU 412. Although not required for the major, the following courses may count toward the major provided the total number of courses taken in Russian does not exceed 14: RU 351, RU 352, RU 353, and RU 354.

The Senior Program will consist of a Senior Seminar (the equivalent of one course) and General Examinations (the equivalent of one course). Students with strong records for the first three years of study will be encouraged to write an Honors thesis under the supervision of a faculty member.

RU 101, RU 102 Beginners' Russian Fall and Spring
Oral inductive approach to provide a firm control of the sound system and the structure of the language. Although the emphasis is on the spoken colloquial language, reading, writing, and the fundamentals of grammar are gradually introduced in order to provide a solid foundation for work in advanced courses or for reading in specialized fields. Five class meetings per week (two in lecture sections, three in drill sections) and intensive use of the language laboratory. (RU 102 must be passed before credit for RU 101 is given.) MR. BAKER and STAFF

RU 201 Intermediate Russian Fall
Continuation of the oral approach used in RU 101 and RU 102 with increasing emphasis on reading and writing. Four class meetings per week (one in lecture, three in drill sections). Intensive use of the language laboratory. (Russian RU 102 or equivalent) STAFF

RU 202 Intermediate Russian Spring
Reading and conversation in Russian based on contemporary texts, both literary and non-literary. Intensive use of the language laboratory. (Russian RU 201 or equivalent). STAFF

RU 251, RU 252 Russian Literature and Culture (in English) Fall and Spring
A survey of Russian cultural history and literature from its beginning to the present day. In the first term the main emphasis will be on the 19th century. In the second term the main emphasis will be on the literature and culture of Soviet Russia. No knowledge of Russian is required. (Group A)
MR. MOTOLANEZ and MR. ORTH

RU 301 Russian Phonetics, Diction and Conversation Fall
Intensive work in establishing correct Russian pronunciation and intonation. Development of oral fluency and freedom in self-expression. Intensive use of language laboratory. (Russian 202 or equivalent) MR. BAKER

RU 302 Russian Conversation and Composition Spring
Continuation of development of oral fluency, together with review of grammar and study of some of the more intricate elements of Russian grammar. Intensive use of language laboratory. (Russian 301 or equivalent).
MR. BAKER

RU 311, RU 312 Russian Prose and Drama of the 19th Century Fall and Spring
Reading in the original of works of some of the major 19th century writers. Classroom discussions in Russian. (RU 202 or equivalent) (Group A)
MRS. BAKER

RU 351 Dostoevski (in English) Fall
A study of the major works of one of the masters of Russian literature who has had a great influence on world literature, particularly on the Existentialists. No knowledge of Russian is required. Offered in alternate years. (Group A). MR. MOTOLANEZ

RU 352 Tolstoy (in English) Spring
A study of the major works of one of the giants of Russian and world literature. No knowledge of Russian is required. Offered in alternate years. (Group A). MR. MOTOLANEZ

[**RU 353 The Russian Short Story (in English)**]
A study of some of the major Russian writers of short stories, with particular emphasis on Chekhov. No knowledge of Russian is required. Offered in alternate years. Not offered in 1970–71. (Group A).

[**RU 354 20th Century Russian Literature (in English)**]
A study of 20th century writers more in depth than is possible in RU 252 and including some authors not included in that course. Greater emphasis on poetry than in RU 252. No knowledge of Russian is required. Offered in alternate years. Not offered in 1970–71. (Group A).

RU 401, RU 402 Advanced Language Study Fall and Spring
Continued development of spoken and written skills, including stylistic analysis of various types of material. Entails use of the language laboratory. (RU 302 or equivalent). MRS. BAKER

RU 411 Russian Prose and Drama of the 20th Century Fall
A study in the original of some of the major 20th century writers of prose and drama. Classroom discussions in Russian. (Group A). MR. ORTH

RU 412 Russian Poetry Spring
Study in the original of Russian poetry from the 18th century to the present day. Classroom discussions in Russian. (Group A). MR. ORTH

RU 500 Advanced Studies in Language and Literature
Fall and Spring

SOCIOLOGY-ANTHROPOLOGY

Associate Professors: D. H. ANDREWS, R. K. HAERLE, JR. (*chairman*); Assistant Professor: B. T. GRINDAL

The major in Sociology-Anthropology will provide the student with a significant perspective for the systematic analysis and understanding of human behavior resulting from cultural and societal forces. Based on the empirical findings of the closely related disciplines of Sociology and Anthropology, this perspective is inherently comparative, such that the department is concerned with the interrelations between culture and society in various settings. Although both of these disciplines share common concern about human behavior, each in addition has its own history, concepts, and theoretical commitments. Anthropology essentially focuses on the role of culture in human experience and Sociology is concerned primarily with the role of social interaction and the social structure in human experience.

To achieve the requisite understanding of human behavior in the sociocultural context, the major in Sociology-Anthropology is exposed to the theoretical and empirical literature through a coordinated series of 6 required and 4 to 8 elective courses. During the beginning course (SA 101 and SA 102), the student is introduced to the basic concepts, theories, and findings of both Sociology and Anthropology. At this point, each major must declare a "specialization" in either Anthropology *or* Sociology. (This does not preclude the election of courses in both fields.) Depending on the specialization chosen, one must fulfill the following requirement: if specializing in Anthropology, *one* "culture area"

course from among those which will be offered (SA 321, SA 326, SA 332); if specializing in Sociology, SA 205, Sociological Theory.

All majors, regardless of specialization, must take SA 301, Research Methods. It is strongly suggested that students take this course in the *junior year* in order to prepare the topic and background for their Senior (or Honors) Thesis. Sophomores may register for the course if they wish.

During the final year, the student will participate in the Senior Program, including a Senior Thesis (or Honors Thesis), and the Senior Symposium. Normally the Senior Program will carry two Fall and Spring term course credits.

Thus, a total of 6 courses will be required, leaving a minimum of 4 and a maximum of 8 fall and spring electives. For his elective courses, a student is free to pursue the study of those problem areas or special interests which best suit his future career plans. The courses in the department are so arranged that a student might choose from a number of possible alternatives. (See the printed chart available from the department.) A student might choose to take most of his electives within either a sociological or anthropological framework. However, he might also choose, for example, to focus his attention on "social process and social problems" thus cutting across and combining courses taught by both anthropologists and sociologists under that general heading. Other such combinations are also possible.

Required for the major in Sociology-Anthropology: SA 101, SA 102, SA 301, either SA 205 or one "area course," the Senior Program (the senior thesis and the senior symposium) plus a minimum of four but not more than 8 fall and spring courses in the Department and a minimum of one but not more than two winter courses in the Department (one of which may be part of the Senior Program). The selection of cognate courses will be planned with the major's adviser, taking into consideration the student's aims and purposes in the department.

The Senior Program will consist of the Senior Thesis and the Sociology-Anthropology Symposium. The program will carry three course equivalents, two of which will be allocated to the Senior Thesis and the remaining one to the Symposium. For every student, the Spring term will be devoted to preparation for the symposium. The two course equivalents designated as the Senior Thesis will normally be taken, one each, in the Fall and Winter terms.

Departmental Honors will be granted to those who do superior work on the senior thesis, symposium, and course work in the department.

Consult the Department bulletin for further details on the Senior Program.

Introductory Courses

SA 101 Introduction to Anthropology Fall

An introduction to the major sub-fields of anthropology—physical anthropology, archaeology and social anthropology. To be examined is the evolution and contemporary variation of man and culture, using data from human paleontology and biology, the archaeological record and ethnographic studies. (Not open to juniors and seniors).

Mr. Andrews and Mr. Grindal

SA 102 Introduction to Sociology Spring

A systematic study of society and social organization. Major theoretical concepts of sociological analysis presented and applied to the basic institutions of man and areas of specialized interest. Emphasis on American society. (Not open to juniors and seniors). Mr. Haerle and Staff

Theory and Method

SA 205 Sociological Theory Fall

A critical analysis of the major sociological theorists who have or are in-

fluencing contemporary American sociology, through the use of original sources. Emphasis will be given to Marx, Weber, and Durkheim, along with some more contemporary writers. Implications and applications of their ideas to contemporary theory and research. (SA 101, SA 102 or permission). MR. HAERLE

SA 301 Research Methods Spring
The relationship of concepts, hypotheses, and theories to general principles of research. The systematic procedures of design and measurement used by sociologists and anthropologists to obtain and analyze data about culture, human groups and institutions. Selected methods including interviewing, observation, and questionnaires. Preliminary bibliographic search and research design as background for the senior thesis. Strongly recommended for juniors. (SA 101, SA 102). STAFF

Social Organization and Comparative Institutions

SA 315 Sociology of Education Fall
An examination of the values and social structure of educational institutions, especially in American society. Historical development of contemporary philosophies, practices, and problems, emphasizing their relation to other institutions, such as the economic, political and the family. The social phenomenology of the roles of student and teacher: education as the experience of a social community in relation to education as the experience of learning. (SA 101, SA 102 or permission). (This course will also receive credit for Teacher Education). STAFF

SA 407 Anthropology of Religion Fall
Religious beliefs and practices in tribal and peasant societies. Examination of: theories of the origin and function of religion; mythology, legend and ideology; magic, witchcraft, and divination; religious cults and practitioners; and religious acculturation and nativistic movements. (SA101, SA 102, or permission). MR. GRINDAL

SA 413 Kinship and Social Organization Spring
Examination of the concepts and methods used in the analysis of kinship and social organization in tribal and peasant societies and the theoretical perspectives of American and British anthropology. Emphasis upon the relationship of kinship to economic, familial, legal, political, and religious systems. (SA 101, SA 102 or permission). (Offered in alternate years). MR. GRINDAL

Area Studies

SA 321 Native Peoples of North America Fall
An examination of the aboriginal cultures of North America from the Eskimo in the Arctic to the Aztecs of Mexico and the Maya of Guatemala. The major emphasis is on the conditions of various groups at the time of contact, with special concern for the theoretical and conceptual implications of the

data. Some attention will be given to the archaeology and contemporary situation of these groups. (SA 101, SA 102 or permission). MR. ANDREWS

SA 326 Latin American Culture and Society Spring
An examination of the features that characterize the Latin American cultural area as seen from the anthropological perspective. Although historical data will be considered, the main emphasis is on contemporary Latin America. Particular attention will be paid to urbanization, sub-cultures, social stratification and value orientations. (SA 101, SA 102 or permission). (Offered in alternate years). MR. ANDREWS

[SA 332 African Cultures and Societies]
Description and analysis of African cultures and societies, South of the Sahara. Historical and contemporary perspective of structure and change, particularly the modernization process. (SA 101, SA 102 or permission). (Offered in alternate years). Not offered in 1970–71.

SA 342 Social Stratification and American Community Studies Fall
The nature and functions of stratification in American society examined through the study of selected communities and subcommunities. The structure of social class, status, and power, and the relationship among institutions within the community. Consequences of stratification for values, life styles, and behavior. (SA 101, SA 102 or permission). (Offered in alternate years). MR. HAERLE

Social Process and Social Problems

SA 343 Urban Society Spring
The sociological study of the city: its historical development and characteristics in contemporary, urbanized societies. Different theoretical approaches to the structure and functions of cities in urban societies. Human problems in urban societies: economic inequality, ethnic intolerance, individual isolation and powerlessness. (SA 101, SA 102 or permission). (Offered in alternate years). STAFF

SA 351 Personality and Culture Spring
The relationship of socio-cultural and psychological variables in understanding behavior. Examination of cross-cultural differences and regularities in personality and in socialization with emphasis upon the psychological reaction to change and social disorganization in developing societies. (SA 101, SA 102 or permission). MR. GRINDAL

SA 352 Individual and Society Fall
Perspectives on the relation between culture, social structure, and the individual: the individual in society and society in the individual. Contemporary sociological conceptions of socialization, self or identity, and interaction. Special attention given to the quality of social life as experienced by the individual person: his involvement with the roles, other persons, and symbols of different institutions. (SA 101, SA 102, or permission).
STAFF

SA 356 Socio-Cultural Change Spring
An examination of socio-cultural change with emphasis on evolution, acculturation and the development process, using data primarily from non-Western peoples. (SA 101, SA 102, or permission). MR. ANDREWS

[**SA 359 Peasant Society and Culture**]
Comparative analysis of contemporary peasant societies and cultures. Examination of the social position of the peasants in the wider society of which they form a part. Study of the distinctive folk traditions and customs of peasant societies. Analysis of the impact of twentieth century political and economic changes on the cultural values and social systems of differing types of peasant societies. (SA 101, SA 102, or permission). (Offered in alternate years). Not offered in 1970–71.

[**SA 363 Social Problems and Social Pathology**]
The study of social disorganization or pathology as distinct from the study of deviant behavior. Analysis of the bases of disorganization within major social institutions, as well as the effects of this disorganization on groups and individuals. Special attention given to the interdependence of social and personal disorganization; disorganization in the various classes of American society. (SA 101, SA 102 or permission). Offered in alternate years. Not offered in 1970–71.

SA 366 Majority-Minority Relations Spring
Focus on the causes, purposes, and consequences of prejudice, discrimination, and segregation, especially as they are manifested in various institutional contexts. Problems of self-conception, adjustment patterns, social movements and black power, community organization, and styles of life. Special emphasis on the Negro American. (SA 101, SA 102, or permission).
MR. HAERLE

[**SA 420 Juvenile Delinquency**]
Within the framework of a general theory of social control and deviant behavior, consideration of the psychological, social, and sub-cultural aspects of juvenile delinquency. Theories and empirical research on both lower-class and middle-class delinquency. (SA 101, SA 102, or permission). Offered in alternate years. Not offered in 1970–71.

SA 500 Advanced Individual Study Fall and Spring
Open to qualified students, by permission. STAFF

The Senior Program

SA 700 Senior Thesis Fall and Winter
Under the guidance of a faculty member, each senior major will carry out an independent research project, in sociology or anthropology, often based on original data. Data must be analyzed and presented in a written report. Due at the end of the Winter Term. STAFF

SA 704 Sociology-Anthropology Symposium Spring
Each senior, in a series of essays, will deal with some major questions and

issues in Sociology and Anthropology, in order to attain an integrated overview of his experience in the Department. Periodic symposia will be convened for discussion and debate of these issues. STAFF

SPANISH AND ITALIAN

Professor: S. CASTIGLIONE (*chairman*); Associate Professor: R. M. PEEL [1]; Instructor: MISS N. S. WRIGHT; Lecturers: MRS. C. CENTENO, R. E. KELSEY; Associate in Italian: MRS. P. B. CASTIGLIONE

Spanish

The program of study in Spanish represents a carefully co-ordinated sequence of instruction in language and literature. The early courses concentrate on developing fundamental language skills, after which students are introduced to the special demands of literary analysis and interpretation. In the more advanced courses, major writers and literary genres are presented in an order of gradually increasing linguistic difficulty.

Required for the major: SI 301, SI 302, plus six higher courses: Also it is recommended that at least two additional courses be selected, in consultation with this department, from related areas such as English, American, and European literatures, Art, and History. Majors must enroll in the Seminar given in the Spring Term of their senior year. Qualified students may undertake approved independent study in their junior and senior years and any student may select to live for one year in the Spanish corridor of Allen Hall.

SI 101, SI 102 Beginning Spanish Fall and Spring

An introduction to Spanish, concentrating on the development of fundamental language skills: listening comprehension, speaking, reading and writing. Five class meetings per week (two in lecture sections, three in drill sections). Work in the classroom is complemented by a co-ordinated tape program. Attendance at the language laboratory is required.

MR. PEEL and STAFF

SI 201 Intermediate Spanish Fall

Designed as a continuation of SI 101 and SI 102, the course is intended also for new students who have a satisfactory entrance record. Three meetings a week. In addition to the continuing emphasis on spoken Spanish, much attention is given to the analysis of grammatical structure, composition and the reading of selected literary texts. Attendance at the language laboratory is required. STAFF

SI 202 Advanced Spanish Spring

The aim of this course is to perfect the student's knowledge of the language so that he can speak and read Spanish well. Modern Spanish and Spanish American literary texts serve as the basis for class discussion. Additional training in writing continues work begun in SI 201. Three meetings a week.

STAFF

SI 301, SI 302 Literary Analysis and Interpretation in Spanish Fall and Spring

This course serves as an introduction to the techniques of critical analysis of

1. Director of Graduate School in Spain Winter and Spring Terms 1970-71

Hispanic literature. It is a pre-requisite for all courses in Spanish above SI 302. Selected works of present and past authors are studied in depth in order to develop the student's ability to read and criticise perceptively the various forms of Spanish prose fiction, theater, and poetry. Frequent short essays provide practice in interpretive writing. (Group A). STAFF

[**SI 310 The Modern Spanish Novel and Essay**]
Essays by Unamuno and Ortega y Gasset dealing with the social, philosophical, and historical thought in twentieth century Spain provide an introduction to some of the most common themes of modern Spanish prose fiction, as seen in the novels of Unamuno, Baroja, Valle-Inclán, Pérez de Ayala, and Cela. Offered in alternate years. Not offered in 1970–71. (Group A).

SI 315 Spanish Poetry of the Twentieth Century Spring
A study of the major poets of Spain from the Generation of '98 and the "vanguardistas" through the post-Civil War period: Unamuno, Machado, Juan Ramón Jiménez, Salinas, Guillén, García Lorca, Aleixandre, Alberti, Blas de Otero and others. Emphasis is given to the problems of interpretation and the relationship between ideas and poetic structure. (Group A). STAFF

SI 320 The Modern Spanish American Novel and Short Story Fall
A study of the origins and development of the novel and short story in the Spanish speaking countries of Latin America. The course focuses on American man and his conflict with the overwhelming presence of the world around him, ranging from the peasant in revolutionary Mexico, the landowner in Venezuela, and the gaucho in Argentina, to the alienated resident of the modern cosmopolitan city. Authors to be read include Azuela, Gallegos, Güiraldes, Yáñez, Asturias, Quiroga, Borges and others. (Group A).
MR. PEEL

[**SI 325 The Contemporary Spanish American Novel**]
An analysis of the Spanish American novel of the last two decades. The many themes and innovations of writers such as Onetti, Carpentier, Rulfo, Fuentes, Cortázar, García Márquez, Vargas Llosa, and Donoso are explored in detail. Offered in alternate years. Not offered in 1970–71. (Group A).

[**SI 410 'Don Quijote'**]
A critical analysis and interpretation of the '*Quijote*.' Stress is placed on intensive reading and discussion of the text, with corollary study of the major critical attitudes. Juniors, seniors, or permission. Offered in alternate years. Not offered in 1970–71. (Group A).

SI 415 Lope de Vega y la comedia española del siglo XVII Fall
A study of the Spanish national theater during the Golden Age, from its creation by Lope de Vega, through the variations of Tirso de Molina, Juan Ruiz de Alarcón and Mira de Amescua, to the culminating refinements of Calderón de la Barca. Emphasis will be placed on those textual elements, especially the dramatic structures, leading to interpretation. Juniors, seniors, or permission. (Group A). MR. KELSEY

SI 420-SI 440 Seminars: Seminars are offered in a wide range of topics, varying from year to year. They include the following: *La literatura de la España medieval; Hispanoamérica: época colonial; La poesía lírica del Siglo de Oro; La tradición picaresca en la literatura española; Romanticismo, realismo y naturalismo en España; El teatro moderno en España; La poesía hispanoamericana del siglo XX.* The department encourages suggestions from students for other topics, and will attempt to arrange seminars for which there is sufficient interest. Plans must be made no later than the beginning of the preceding fall or spring term.

SI 430 Seminar (1970-71): La poesía lírica del Siglo de Oro Spring
The Spanish lyric from the early Renaissance and the mystics to the seventeenth century Baroque: Garcilaso, Luis de León, Herrera, San Juan de la Cruz, Santa Teresa, Lope de Vega, Góngora, and Quevedo. Juniors, seniors, or permission. (Group A). Mr. Kelsey

SI 500 Independent study
The department will consider requests by qualified juniors and seniors to engage in independent work.

Area Studies: Students interested in Spanish or Latin American area studies will register as a major in Spanish and fulfill the normal requirements for this degree. They should consult with Mr. Peel as to which additional courses may be elected in other departments.

Italian

SI 151 Beginners' Italian Fall
Training in pronunciation; vocabulary building; a study of the fundamentals of the grammer and syntax; pattern drills; readings. Laboratory exercises are an integral part of the course. Five class meetings per week (two in lecture sections, three in drill sections). (Italian SI 152 must be passed before credit for SI 151 is given.) Mr. Castiglione

SI 152 Beginners' Italian Spring
This course is devoted to a review and application of the basic principles presented during the first semester. Readings; compositions; reports; laboratory assignments. Five class meetings per week (two in lecture sections, three in drill sections). Mr. Castiglione

SI 251 Intermediate Italian Fall
A thorough review of the structure of the language, combined with the reading of selections from contemporary Italian prose. Compositions; oral reports; laboratory assignments. Mr. Castiglione

SI 252 Advanced Italian Spring
Reading of works by modern and contemporary Italian authors. Discussions; compositions; laboratory assignments. Mr. Castiglione

SI 351 Introduction to Literature Fall
The aim of this course is to acquaint the student, through classroom dis-

cussions and oral reports on representative works, with the principal currents and authors of Italian literature. The first semester will be devoted to the study of the development of Italian literature from the Sicilian School to the Renaissance. (Group A). MR. CASTIGLIONE

SI 352 Introduction to Literature Spring
During the second semester a study will be made of the main trends of Italian literature from the 16th century to the present. Discussions; reports. (Group A). MR. CASTIGLIONE

[**SI 353 The Italian Narrative since 1940**]
A study of the structure and themes of Italian novels and short stories, with special attention to the political and social implications. Among the authors studied will be Buzzati, Moravia, Silone, Vittorini, Pratolini and Pavese. Not offered in 1970–71. (Group A).

[**SI 354 The Italian Narrative since 1940**]
A study of the writings of the younger generation, with emphasis on the relevance of the particular setting of their works. Authors studied will include Calvino, Sciascia, Bassani, Volponi, Mastronardi and Cassola. Not offered in 1970–71. (Group A).

SI 550 Advanced Studies in Language and Literature Fall & Spring
MR. CASTIGLIONE

TEACHER EDUCATION PROGRAM

Director: J. S. FREIDIN; Assistants: MRS. R. W. GLEASON, MISS K. A. MCGLYNN, MRS. H. E. THURBER

Teacher Education at Middlebury (for prospective elementary and secondary school teachers) is based on two beliefs: first that the most important part of a teacher's education is the development of intellectual skill and knowledge in the subject(s) he will teach and in the liberal arts and sciences; and second that certain pedagogical studies can help a student learn how he can best teach his subject. Some students prepare themselves in both respects while undergraduates; others prefer to complete their preparation after graduation. The TEP offers students advice on graduate programs in education such as the M.A.T. as well as its own program of courses designed to prepare undergraduates as teachers and to qualify them for state certification.

Any student planning to teach should major in a discipline related to the subject(s) he intends to teach. His major should be broad (e.g., several kinds of history or literature, not just American), for as a teacher he will be responsible for teaching a broad field. His general education must also be broad. These are matters of first priority; they should not be obstructed by studies in the TEP. Consequently, students interested in teaching should speak with the TEP Director during their Freshman or Sophomore years in order to decide the most effective program for them. (TE courses in history, sociology, and psychology satisfy Degree-Group B Distributional Requirements. Philosophy of Education satisfies Degree-Group A Distributional Requirement.)

With the exception of "Problems and Methods of Education" (TE 304 and TE 314) and "Practice Teaching" (TE 404–405 and TE 414–415), TE courses are open to all students who have fulfilled the departmental prerequisites for them. "Problems and Methods" and "Practice Teaching" are open only to students admitted to them by the TEP. There are no rigid criteria for admission to these courses, but the following standards are used as guides: the breadth and strength of a student's academic performance in college, his verbal skill, and evidence of his interest in a career as a teacher. Students are

expected to argue their own cases for admission with respect to these criteria and any others they consider relevant.

CERTIFICATION

The Vermont Board of Education has authorized Middlebury to certify its graduates as elementary and secondary school teachers in Vermont. The Northeastern States Reciprocity Plan has authorized Middlebury to certify its graduates as elementary school teachers in the six states of New England, plus New York, New Jersey, Pennsylvania, Delaware, and Maryland. These authorizations mean that Middlebury has full legal power to certify its graduates solely according to its own discretion, rather than according to criteria established by each of the states. Students are certified upon the recommendation of the TE staff by the College Teacher Education Committee, composed of students and members of the faculty. These recommendations are based upon a student's academic preparation in the subject(s) he wishes to teach and upon the quality of his performance in courses and other activities related to teaching. There is no specific number of courses which a student must complete to be certified under these plans, though students are expected to have displayed some competence in each of the following three areas: foundations of education (historical, philosophical, psychological, or sociological); problems and methods of teaching; and practice teaching. Extra-curricular experience during the academic year or summer is an appropriate and very desirable way to undertake some of this learning.

The State of Vermont expects to sign reciprocal agreements on teacher certification for secondary schools with many other states (beginning with New York and Massachusetts in 1970–71), so that Middlebury will be authorized to certify teachers in those states just as it presently does in Vermont. Until those agreements have been signed, students wishing to teach secondary school in other states (or elementary school in states not participating in the Northeastern States Reciprocity Plan) must fulfill those states' requirements for certification. These requirements usually consist of fifteen to eighteen points of study in the three areas mentioned in the paragraph above. (Each Middlebury course is equivalent to three points; "Practice Teaching" counts six because it comprises two courses.) The TEP offers students the opportunity to complete enough courses in these areas to meet the requirements for certification of virtually every state. Further information on state certification is available at the Office of Teacher Education (120 Munroe).

The courses below should be taken during the years under which they are listed. "Practice Teaching" and other courses are usually offered during the Winter Term. Students should consult the winter catalogue for a description of these courses.

Freshman or Sophomore year:

MA 109 Introduction to Modern Mathematics Spring
(See description p. 88). Appropriate for elementary school teachers only.
MATHEMATICS STAFF

PY 101, PY 102 Fundamentals of Psychology Fall and Spring
(See description p. 105) A prerequisite for advanced courses in psychology.
PSYCHOLOGY STAFF

Sophomore or Junior year:

HI 309 History of American Education Fall
(See description p. 85). (Permission). MR. FREIDIN

[PA 210 Philosophy of Education]
(See description p. 94). Not offered in 1970–71.

PY 225 Developmental Psychology Spring
(See description p. 105). (PY 101, PY 102). MR. PROUTY

PY 322 Measurement of Human Performance Spring
(See description p. 106). (PY 101, PY 102 and permission). MR. EWELL

SA 315 Sociology of Education Fall
(See description p. 113). (SA 101, SA 102 or permission). STAFF

Junior year:

TE 304 Problems and Methods of Education—Elementary Fall
Lectures, discussion and readings pertinent to the general background, current trends, problems and methods of contemporary elementary education. Includes observation and teacher aide work at the local elementary school. (Permission). MISS MCGLYNN

TE 314 Problems and Methods of Education—Secondary Spring
An introductory study of the role of secondary schools in contemporary American society: what purposes do they serve and how might those purposes be achieved; what problems and opportunities does free, public education present to teachers and their pupils? Students will also study methods of dealing with these problems as they develop in the classroom. For approximately one-quarter of the term, the class will divide into small colloquia of students planning to teach the same subject. Led by experienced teachers, these colloquia will discuss curricula; testing; textbooks and other instructional materials; and methods of teaching the particular subject or various aspects of it. (Permission). MR. FREIDIN

Junior or Senior year:

TE 500 Independent Study Fall and Spring
Independent written work of an advanced nature on contemporary or historical aspects of primary or secondary school education. (Permission). TE STAFF

Senior year:

TE 404, TE 405 Practice Teaching—Elementary (K–6). Fall and Spring
This double course comprises a practicum of teaching at an assigned grade level in a local elementary school 15 hours a week for 8 weeks, followed by a period of three days in which students assume full control of their classes. Each student's development as a teacher is followed closely by school and college personnel and accompanied by frequent conferences used to identify and discuss individual problems. A weekly seminar is held to study practical aspects of teaching in a way that draws upon student teachers' actual experiences.
(TE 304 and permission). MRS. GLEASON

TE 414, TE 415 Practice Teaching—Secondary (7–12). Fall and Spring
A double course in which students spend between two and three hours a day at local high schools, under the close supervision of the College Supervisor as well as an experienced teacher in the student's field. Each student observes

classes for a minimum of 20 hours and teaches classes for 75 to 90 hours. He is also expected to assist with school activities and to attend faculty meetings. Through frequent discussions with the Supervisor and in group meetings, student teachers develop criteria for self-evaluation.
(TE 314 and permission). MRS. THURBER

PROGRAM OF MILITARY SCIENCE

MAJ. W. M. MATZ, JR.; MAJ. J. N. DAILEY; CPT. L. L. SPOHN, SR.; CPT. P. A. PIETRZAK; Assistants: SGM. T. G. HARPER, SSG. J. J. HAYWARD, SGT. P. J. CARDAROPLE, CIV. O. P. BROUGHTON, JR.

The objective of a Senior Division Army Reserve Officers' Training Corps (ROTC) unit, organized under the provisions of the National Defense Act of 1916 and amendments thereto, is to provide a program which will attract, motivate, and prepare selected students with potential to serve as commissioned officers in the Army Reserve or Regular Army. The ROTC curriculum at Middlebury College provides a flexible program of instruction designed to complement the student's civilian goal of acquiring a baccalaureate degree in a course of study of his choosing by enabling him to develop those attitudes and qualities that will facilitate transition to military service. The curriculum, unified by leadership and management subjects, includes institutional enrichment courses and courses in Military Science. The program includes a two-year basic course offered during the freshman and sophomore years, and a two-year advanced course offered during the junior and senior years. Credit for previous active duty military service and ROTC training will be granted in accordance with current Department of the Army regulations. Draft deferments will be provided all members of the program.

The Basic Course

A two-year basic course is available to all male students who voluntarily enroll in the freshman year. During the freshman year the course meets one period each week during the fall and spring semesters. During the sophomore year the course meets two periods each week during the fall and spring semesters. Six hours of leadership laboratory (drill) are also required each

semester during both the freshman and sophomore years. Uniforms, books, arms and equipment are furnished by Department of the Army at no cost to the student.

MS 11 (Fall) and MS 12 (Spring) Freshman Basic (Military Science 1) Fall and spring semester. Fundamentals of Military Leadership and Management (one hour each week) and Leadership Laboratory (six hours each semester).

MS 21 (Fall) and MS 22 (Spring) Sophomore Basic (Military Science II) Fall and spring semester. Applied Military Leadership and Management (two hours each week) and Leadership Laboratory (six hours each semester).

Enrichment Courses. Two semester credits, normally scheduled during the first two years of college, will be devoted to effective communications courses. These are courses offered by academic departments and subject to approval by the Professor of Military Science (PMS). In cases where such courses have been waived by the institution, the PMS may accept such waiver as fulfillment of this requirement.

The Advanced Course

A two-year advanced course is offered to juniors who either successfully complete the basic course, served on active duty in the Armed Forces for one year, or successfully complete a six-week basic summer camp prior to their junior year of college. Members of the advanced course are selected by the President of the College and the PMS from students in the sophomore class who volunteer and are in one of these categories.

During the junior and senior year the course meets two periods each week during the fall and spring semester. Six hours of Leadership Laboratory are also required each semester during both the junior and senior years.

Students enrolled in the advanced course will receive a retainer allowance of $50.00 per month. Department of the Army also purchases for each advanced course student a regulation Army Officer uniform. This is worn during leadership laboratory and is retained by the student upon his graduation.

Attendance at one advanced summer camp of six weeks duration is mandatory. During attendance the student is paid $120.60 per month. Mileage rate is paid from home of record in Continental United States to camp and return. Students will attend camp between their junior and senior years, but deferment to the next summer may be made, for a cogent reason, when approved by the PMS.

The ROTC student is given a general military science course which does not emphasize any one branch or service. Prior to commissioning, assignment to a branch will be made based on existing Army quotas and the individual's desires and capabilities. Training is oriented primarily toward a commission in one of the combat arms—Infantry, Air Defense, Artillery, Armor, Signal Corps, or Engineer Corps. Students whose academic program has particularly qualified them may request a commission in one of the

technical service branches—Chemical Corps, Ordnance, Finance, and others.

Students who enroll in the Advanced Course must agree to complete ROTC training, unless circumstances beyond their control make it impossible to do so. Students must agree to accept a commission, if it is offered, and to serve on active duty in the Army for a period of two years.

Commissioning Requirements. Once a student is enrolled in the Advanced Course, he must satisfactorily complete the following to be eligible for a commission as a Second Lieutenant:

a. Education: Receive a baccalaureate degree.
b. Military Training:

(1) Complete all military courses for the Senior Division ROTC.
(2) Complete ROTC Advanced Summer Camp.
(3) Be recommended for appointment by the President of the College and the Professor of Military Science.

Upon successful completion of the above requirements, the student is commissioned as a Second Lieutenant, U.S. Army Reserve. Outstanding military students are eligible for a direct commission in the Regular Army upon graduation. Graduates then report to active duty within the first twelve months following their commissioning. Those who desire to attend graduate school may be deferred from active duty for the duration of their graduate study, but not to exceed 24 months. Exceptions to this policy will be granted to students pursuing advanced study in the healing arts, ministry and the legal profession.

MS 31 (Fall) and MS 32 (Spring) First Year Advanced Course (Military Science III) Fall and spring semester. Advanced Leadership and Management (two hours each week) and Leadership Laboratory (six hours each semester).

MS 41 (Fall) and MS 42 (Spring) Second Year Advanced Course (Military Science IV) Fall and spring semester. Theory and Dynamics of the Military Team and Military Leadership and Management (two hours each week) and Leadership Laboratory (six hours each semester).

Enrichment Courses. A minimum of two semester credits of advanced level subjects (in addition to effective communications requirement) must be included, preferably during the last two years of college. These are courses offered by academic departments and subject to approval by the Professor of Military Science. In cases where such courses have been waived by the institution, the PMS may accept such waiver as fulfillment of this requirement.

ROTC Flight Program. This program is available to selected cadets in their senior year at no cost to the cadet. The student is given thirty-five hours of ground school and thirty-six hours of flight instruction. Successful completion of this program qualifies the individual for a Federal Aviation Agency Private Pilot's License.

General Information

NAMED AND ENDOWED SCHOLARSHIPS

The following is a list of endowed and other named scholarships offered to Middlebury students. Candidates for financial aid are cautioned that they should not make application for specific named grants. By applying for financial aid, an applicant will be considered for an award from the scholarships listed below or from the general scholarship fund.

THE CHARLES A. DANA SCHOLARSHIPS are available to qualified sophomores, juniors, and seniors. The purpose of these scholarships is to identify and encourage students of good character with strong academic backgrounds who have given evidence of potential leadership traits during the freshman year. The scholarships range from an honorarium of $100.00 for those without financial need to the cost of tuition for those requiring such support. Each year approximately twenty new Charles A. Dana Scholars are selected. The Charles A. Dana Foundation was established in 1950 with the scholarship program as one of its significant activities. These scholarships are among the highest honors which are awarded to students.

STATE SCHOLARSHIPS. Through an annual appropriation of the Vermont Legislature, scholarships from $100 to $300 each are granted to State residents attending seven Vermont colleges of which Middlebury is one. The thirty Vermont senators are each privileged to award a number of scholarships at their discretion to undergraduates in the different institutions. The scholarships are for one year only but may be renewed. Application must be made in the spring directly to the Office of Financial Aid.

THE CECILE CHILD ALLEN STUDENT AID FUND. $85,910.00. The income to be awarded to one or more junior or senior women who need financial aid, and who are "the kind of women that Middlebury would be proud to see represent the College in the outside world." Awards are made under the authority of the women members of the Board of Trustees.

THE CORNELIA W. BAILEY FUND. $33,500. Established in 1929 under her will for students of the Protestant faith, residing in Vermont.

THE BALDWIN FUND. $28,122. Received in 1871 from the estate of John C. Baldwin, Esq., of Orange, N.J., for men.

THE CESARE BARBIERI ENDOWMENT FUND. $45,000.

THE JOSEPH BATTELL SCHOLARSHIPS. $1,000 annually, for young women of Addison County.

EDWARD L. BOND JR. MEMORIAL SCHOLARSHIP. $11,682.63. Established in 1962 in memory of Edward L. Bond Jr. '62 by his parents and friends.

THE EZRA BRAINERD SCHOLARSHIP. $5,010. Established in 1961 by gift of Ezra Brainerd, Jr. in memory of his father, Ezra Brainerd, Class of 1864, President of Middlebury from 1885–1908. Income is used to aid a deserving student, preferably one who is a resident of Vermont.

THE ELBERT S. AND ANNA H. BRIGHAM SCHOLARSHIP FUND. $474,505.58. Established in 1953. Income to be used for scholarship awards to deserving men or women students who are residents of the State of Vermont. Tenable for four consecutive years.

The Charitable Society Fund. $4,012. Established in 1832, for men.

Winifred Coffin and Beatrice Taft Scholarship Fund. $12,800. Established in 1969 by the bequest of Miss Beatrice K. Taft of the Class of 1900 in her name and that of her twin sister, Mrs. Winifred Taft Coffin of the Class of 1900. Income to be awarded to a deserving girl from New Hampshire.

Kay Corrigan Scholarship Fund. $1,000.00. Established in 1966 by a bequest under the will of Miss Agnes T. Danehy. Income to be used for scholarship awards to deserving women students in the College who exemplify the character of Kay Corrigan, '56; first preference being given to members of the Delta Delta Delta Sorority.

The Annie L. Cox Scholarship Fund. $2,500. Established for "a worthy student manifesting decided ability in some line of study, preferably a student of Italian parentage."

George C. Dade '15 Memorial Scholarship Fund. $25,000. Established in 1965 by the gift of Mrs. George C. Dade to provide scholarship aid for worthy young men and women.

The Wilfred E. Davison Scholarship Fund. $1,632. Established in 1936 by bequest of Frank P. Davison of Cabot, for men.

The Dr. Ralph B. DeLano Scholarship Fund of $10,000. Established in 1950. Subject to a reservation of life income.

Delta Kappa Epsilon Scholarship Fund. $5,823.05. The income to be awarded to a member of the Delta Kappa Epsilon Fraternity at Middlebury College.

Constance Barker Diss Student Aid Fund. $249,689.50. Established in 1967 by a bequest under the will of Mrs. Constance Barker Diss, 1900. Income to be used for financial aid to deserving students.

The Erwin Ewald Drost Memorial Fund. $750.00. Established in 1944 by Mrs. Marguerite Jahr, Mrs. Winnie Wiesenthal, Mrs. Clara Comstock, and Miss Emma C. Drost, in memory of their brother, Erwin Ewald Drost, class of 1924.

Dean S. Edmonds Scholarship Fund. $39,198.02. Established in 1953. "Income from fund to be used by Middlebury College as it shall determine as financial aid to students at Middlebury College, giving preference to male students and to students of the sciences, more particularly physics, including electronics."

Grace M. Ellis Scholarship Fund. $3,434.12. Established in 1966 by the Worcester County Alumnae Association in memory of Grace M. Ellis. Income to be used each year for a scholarship award to a woman undergraduate with preference to a woman from Worcester County, Massachusetts.

The Fairbanks Scholarships. $2,000. Established by Thaddeus Fairbanks, Esq., of St. Johnsbury, for men.

Rollo J. Francisco Scholarship Fund. $17,919.70. Established under the will of the late Rollo J. Francisco of Rutland, Vermont, in 1951.

E. Chester "Ben" Franklin '21 Scholarship. $20,000. Established in 1962 by Miss Helen A. Franklin in memory of her brother. First preference is to be given to descendants of Ernest Chester Franklin and then to undergraduates maintaining high academic standards and participating in the athletic program of the College.

Eben J. Fullam Scholarship. $10,000. Given in memory of Eben J. Fullam of the class of 1895 by Mrs. E. J. Fullam of Springfield, Vermont.

Alice Brooks Fuller Scholarship Fund. $15,000, "to aid worthy women preferably from Worcester County, Massachusetts."

John Hamilton Fulton Scholarship Fund: $314,784.88. Established in 1964. Income to be awarded as named scholarships for young men who are graduates of Athens College, Greece, and for young men of Scottish parentage who are graduates of schools located in Scotland.

The William W. Gay Fund. $5,000. Established in 1929 by the gift of Mrs. Frederic F. Van de Water, Jr., in memory of her father, William W. Gay, class of 1876.

Edward N. Gosselin Scholarship Fund. $7,439.61. Established in 1966 by Edward N. Gosselin, '15. Income to be used for scholarship awards to a senior or junior, or both, with priority to candidates from first: Rutland County, Vermont, second: State of Vermont, and third: State of Illinois.

Charles Emerson and Nellie Blakely Harris Memorial Scholarship Fund: $2,000.00. Established in 1965 by H. Blakely Harris in memory of his grandparents: Income to be used for scholarship awards to worthy students.

The Homer and Katherine Harris Fund. $3,000.00. Established in 1965 by Mr. and Mrs. Homer B. Harris, '20 and '18, subject to reservations of life income, after which principal will be added to the Charles Emerson and Nellie Blakely Harris Memorial Scholarship Fund and the income used by and in support of the College for scholarship awards to worthy students.

Joel B. Harris Scholarship Fund. $23,000. Made available in 1937 under an annuity contract with Charles P. Harris, for the benefit of male students of the College.

Benjamin L. Haydon Scholarship Fund. $56,831.12. Request under the will of Elsie Haydon Cornell. "Income to be used by Middlebury College for scholarships." Benjamin L. Haydon graduated from Middlebury College in 1897.

The Charles B. R. Hazeltine Fund. $14,043.35. Established in 1923 "for assisting worthy students."

Richard A. Heine Memorial Scholarship Fund. $4,310.00. Established in 1964 in memory of Richard A. Heine '64 by his parents and friends to assist a deserving undergraduate at Middlebury to complete his education.

The Waldo H. Heinrichs Scholarship Fund. $10,635.50. Established in 1956, the income to be awarded to a man or woman in the sophomore year for use in the junior year.

Frank B. Hickox Memorial Scholarship Fund. $5,735.40. Established in 1965 by Miss Charlotte Hickox, '45, in memory of her father. Income to be used for scholarship awards as a part of the general scholarship program until the principal reaches $10,000.00. Thereafter, scholarship awards will be identified as being in memory of Mr. Hickox.

The John A. Howe Scholarships. $3,000. Bequeathed by John A. Howe, Esq., class of 1853; the income first available for his descendants, and then under certain conditions for students from Poultney.

Moses G. Hubbard '13 Scholarship Fund. $10,000. Established in 1969 by the bequest of Mr. Moses G. Hubbard '13. Subject to life income reservation after which the income is to be used for scholarships or other financial assistance to deserving students.

Christian A. Johnson Memorial Scholarship Fund. $50,000. Established in 1964, for upperclass students with preference being given to those majoring in Economics.

The Frederica V. Jones Scholarship. $10,000. Established in 1950. The gift of Vanderbilt Webb and Cyril H. Jones. Income to be annually used as a scholarship for the benefit of any man or woman who may in the judgment of the college authorities "be deserving of this award."

The Kappa Delta Rho Scholarship Fund: $4,479.62. For worthy male students of

the two upper classes majoring in science or mathematics, with preference being given to members of the Kappa Delta Rho Fraternity.

Joseph P. Kasper Scholarship. $25,235.00. Established in 1962 by the directors of the Associated Merchandising Corporation to honor Joseph P. Kasper '20 on occasion of his retirement from that Company as Chairman of the Board. Income awarded annually in equal amounts to an undergraduate man and woman with the provision that 60% of the award be a scholarship and 40% be a student loan repayable after graduation.

The Sanford H. Lane Memorial Scholarship Fund. $2,000. Established in 1945, for men students.

The Ted Lang, Jr. Memorial Scholarship Fund. $16,000. Established in 1945 by Mr. and Mrs. Fred P. Lang of the Classes of 1917 and 1915, in memory of their son who lost his life on the battlefield in France during World War II. Income to be awarded annually to a man in his Senior year who has had to work to assist himself in acquiring his education and who has made a contribution to his College in extra-curricular activities, preferably athletics. It is the donors' intent that the award permit less financial burden on the awardee in his senior year in recognition of his determination to obtain his Middlebury degree as evidenced by his own effort and initiative.

The Claude Levy Scholarship Fund. $2,757. Established in 1969. Income to be used by students enrolled in the French Summer School.

The Literary Fund. $740. Established in 1835, for men.

Robert J. Marony Fund. $123,175. Income to be used annually for the support of education at Middlebury for underprivileged young men and women of the United States.

Gertrude Cornish Milliken Scholarship Fund. $17,290.27. Established in 1964 by gifts of the Middlebury Alumnae Association and Alumnae clubs to honor Mrs. Gertrude Cornish Milliken '01. Income to be awarded to undergraduate women.

The Levi P. Morton Scholarship. $2,000. Established by Hon. Levi Parsons Morton of New York City, for men.

The New Jersey Student Aid Fund. $400. For men from New Jersey.

Sidney Nordenschild, Sr., Scholarship Fund. $5,408.00. Established in 1967 by the partners of Sidney Nordenschild, Sr., to honor his fifty years with the company and his sixty-fifth birthday. Income to be used for scholarships.

The Hewitt Page Scholarship Fund. $1,621.17. Established in 1964 by the gift of Hewitt E. Page '33. Income to be added to principal for first five years, after which it shall be used with restrictions under the direction of designated college officials.

Cornelius R. Palmer '25 Fund. $6,200. Established by the gifts of Mr. Cornelius R. Palmer '25 in 1969. Subject to reservation of life income after which the income is to be used for scholarships for underprivileged boys and girls with preference given to graduates of schools located in Cape May County, New Jersey, or New York City.

The Penfield Scholarship. $1,000. Established by Allen Penfield, Esq., of Burlington, for men.

The Dana G. Pierce Scholarship Fund. $8,012.50. Established in 1951. "For men students from Rutland High School."

William H. Porter Memorial Scholarship. $50,000. Income to be used for a tuition scholarship. Established by Helen Porter Pryibil in 1950.

The President's Purse. $33,272.71. Established by the late Charles M. Swift, Esq., the income to be disbursed at the discretion of the President.

The Frederika Proctor Fund: $25,000. Established in 1956, the income to be awarded as a named scholarship, to an undergraduate studying French, by the Scholarship Committee.

Justin Ricker Funds #1, #2, #3, #4, #5, #6, #7, #8, #9, #10, and #11. Established by Justin M. Ricker '06 subject to reservations of life income, after which the income of these funds is to be used for scholarships for male students from Bridgeport, Connecticut, or Waterbury, Vermont, or both.

The Richard A. Rosebeck Memorial Scholarship Fund. $6,281.50. Established in 1968 by gifts of his family and friends in memory of Richard A. Rosebeck '61 who was killed on military service in Vietnam. Income to be used each year for scholarship aid to a worthy, qualified athlete who, in addition to financial need, displays drive and determination for personal as well as team excellence in Middlebury athletics.

The Eleanor S. Ross Scholarship Fund. $11,172.95. Established by Middlebury Alumnae Association in memory of Dean Eleanor S. Ross Thomas. Awarded annually to a Middlebury senior woman and based equally on the scholarship, need, and all-around merit of the recipient.

The John W. Rowell Fund. $2,000. Established by the late Chief Justice Rowell.

The A. Bayard Russ Memorial Scholarship Fund. $3,974.65. Established in 1968 by gifts of Louise Tunnicliff '67, his parents and friends in memory of A. Bayard Russ '66 who was killed in military action in Vietnam. Income to be used each year for a scholarship award to a deserving boy showing athletic ability, willing to serve his campus in at least two non-scholastic activities, maintaining at least a 70 average and representing Middlebury with the distinctive qualities of leadership and service exemplified by A. Bayard Russ '66.

The Henry W. Schuettauff Scholarship Fund. $3,500. Established in 1968 by Henry W. Schuettauff '27.

George Robert White Scott (Class of 1864) Scholarship. $99,491.76. Established in 1958 by bequest of Dr. George Dow Scott, Class of 1895, for students of high character, irrespective of creed, color, race, or scholarship standing, preference to be given first to a student or students belonging to Alpha Mu, Chi Psi, and then to a student or students of North American Indian, Chinese or Japanese descent.

The Lynde Selden Scholarship Fund. $27,500. Established in 1967 by the bequest of Mrs. Lynde Selden to honor her husband, Lynde Selden LL.D. (Hon.) 1961.

The Bezeliel Smith Fund. $1,000. Established in 1893, for men.

Lucy S. Smith '18 Scholarship. $39,800.00. Established in 1961 for needy and deserving students.

The Jonathan Coleman Southmayd Scholarship Fund. $28,600. Established by the late Hon. Redfield Proctor, in 1922, its income first available for students (men or women) from Proctor.

The A. P. Stafford Fund. $1,000. Established "to assist needy students from Wallingford to an education."

The John Wolcott Stewart Fund. $25,000.00. Established in 1956 by the late Philip B. Stewart in memory of his father, the income to be awarded to one or more male students in need of financial aid who, having completed one or more years' courses, have shown themselves to be of good character and worthy of continued enrollment in college.

The W. J. Stone Fund. $50,000. Established in 1965 by bequest of Wilfred J. Stone, '02, the income to be used to assist Vermont male students at Middlebury College with preference to graduates of Vergennes High School or Vermont Academy.

The Subscription of 1852. $25,000. For men.

Agnes Warner Sunderland Fund. $3,000. Established by Edwin S. S. Sunderland, Esq., class of 1911, the income from which is first available for the assistance of students from Cornwall.

The Arthur Gould Tasheira Fund. $25,000, the income to be used as far as possible to provide scholarships for worthy and deserving students.

Thomas G. Thompson Scholarship Fund. $3,500. In memory of Frank Genung Thompson and Mrs. Alma C. Dow to provide two equal scholarships, one for a young man preparing for the Protestant Christian ministry, and the other a young woman.

The Ludgar J. Toussant Fund. $420.41. Established by the class of 1920 in memory of their classmate—Ludgar J. Toussant—killed in World War I.

The K. P. Tsolainos Memorial Scholarship Fund. $75,000. Established in 1968 by The K. P. and Phoebe Tsolainos Foundation, Inc. in memory of K. P. Tsolainos, LL.D. (Hon) 1964. Income to be used for scholarships for students majoring in economics or history with preference to young people of Greek descent.

The Herbert K. Twitchell Fund. $2,000. Established in 1929 by a bequest received under the will of Mr. Twitchell for students from Vermont, preferably Addison County.

The James M. Tyler Fund. $1,000. For students from Vermont.

Bessie Clarinda Verder '98 Memorial Fund for Women Students. $1,000. Established by Blanche Avaline Verder in memory of her sister.

The Voter Memorial Scholarship Fund. $1,325.00. The income to be used for scholarship purposes, in memory of Professor P. C. Voter, formerly Chairman of the Chemistry Department.

The Waldo Fund. $10,010.00. Established in 1864 by bequest of Mrs. Catherine E. Waldo of Boston, for men.

The Phoebe Kasper Wallach '49 Memorial Scholarship Fund. $5,595.00. Established in 1968 by gifts of her parents, Mr. and Mrs. Joseph P. Kasper '20, and friends in memory of Phoebe Kasper Wallach '49. Income to be used each year for scholarship award to an able and deserving girl.

The Warren Fund. $3,000. Given in 1835 by bequest of Deacon Issac Warren of Charlestown, Mass., and its income applied in payment of college bills of those who are preparing for the Gospel ministry.

The Asa Wheelock Scholarships Fund. $5,000. Established under the will of Charles B. R. Hazeltine of Arlington, Mass., the income first available for Protestant students from the town of Wardsboro, and then from other small country towns in the State.

The Albert Henry Wiggin Memorial Scholarship Fund. $27,500. Established in 1967 by the bequest of Mrs. Lynde Selden in memory of her father, Albert Henry Wiggin, trustee of Middlebury from 1922–1950.

The Emma Willard Scholarship. $2,000, established in 1895 by the Emma Willard Association, for the benefit of deserving young women. The holder of this scholarship receives a supplementary scholarship bringing the total up to $350. For seniors only.

The Windham County Congregational Scholarship Fund. $2,000. Established in 1951. "Income first available for students proposed by the Conference."

The Harriet B. Winsor Scholarship Fund. $10,000. Established under the will of Harriet B. Winsor, of Springfield, Mass., in 1950. One-half income to provide a scholarship for men and one-half income to provide a scholarship for women.

The Charles Baker Wright Scholarships. $50,000. Established in 1949. Income from fund to provide two full tuition scholarships to be awarded annually to a man and a woman in the senior class.

The Marion L. Young Scholarship Fund. $10,000.00. Established by the Middlebury Alumnae Association in 1940. Income awarded annually to the freshman woman outstanding in scholarship, personality and athletics.

General Student Scholarship Fund. $26,579.00. The aggregate of gifts from friends to be used in making loans to students, originating with a gift from Prof. Wm. W. Eaton of $25 in 1911. Income from Fund may be used for scholarships.

The Henry Francis Barrows Scholarship Fund. $1,050. Annually from the Boston Safe Deposit and Trust Company as trustee under the will of Fanny Barrows Reed.

The Charles A. Dana Scholarships. See page 125.

Davison-Foreman Foundation Grants. $5,000. Available to girls working toward Middlebury degrees.

The French Government Scholarship. $250. Awarded annually to a student majoring in French and living at the Château or Men's French Residence on the basis of scholarship, character and personality.

Edwin Gould Foundation Scholarships. Established by the Edwin Gould Foundation for Children. A four-year grant awarded annually to deserving students.

The Huguenot Society Scholarship. $1,000 annually. Available to students, on recommendation by the College, whose Huguenot ancestry meets the requirements of the Sponsoring Society. Special application forms are available from the Office of Financial Aid.

The Agnes M. Lindsay Awards. $8,000. Annually from the Agnes M. Lindsay Trust, allocated by the College Trustees to scholarships for men and for women.

Charles Irwin Travelli Scholarships. Established by the Charles Irwin Travelli Fund. A four-year grant awarded annually to several deserving students who are U.S. citizens, in the top half of their class in secondary school and participated in extra curricular activities.

The Albert Henry Wiggin Memorial Scholarship. $3,000. Established by the Albert H. and Jessie D. Wiggin Foundation. Awarded to deserving students.

The Sylvia Westin Wurts Memorial Scholarship. Awarded each year to a woman student from the Hartford, Connecticut, area. Apply to: Alumnae Secretary, Middlebury College.

LOAN FUNDS

Alpha Sigma Phi Memorial Fund. $12,183.23. Established in 1966 as a revolving loan fund for worthy and needy male students at the College, in memory of those brothers in Alpha Sigma Phi of Middlebury College who lost their lives in World Wars I and II:

Reid L. Carr and Eleanora F. Carr Revolving Loan Fund. $11,350.20. "To help deserving students."

Joel B. Harris Student Loan Fund. A revolving fund of $7,366.59 for loans to Middlebury students.

Hazeltine Student Loan Fund: $2,500, received in 1923 under the will of Chas:

B. R. Hazeltine and his sister, Harriet S. Hazeltine, of Arlington, Mass., "the income only to be used as a loan fund in assisting students in Middlebury College."

Elam R. Jewett Student Loan Fund. $3,000, received in 1923 from a friend. "The principal to be safely invested, the income and accretions to be loaned, under certain conditions, to men students of the College."

Martha Jewett Nash Student Loan Fund. $3,000, received in 1923 from a friend. "The principal to be safely invested, the income and accretions to be loaned, under certain conditions, to women students of the College."

William H. Porter Student Loan Fund. $10,140, an unconditional legacy received in 1927 under the will of William H. Porter of New York. By action of the trustees it was made the William H. Porter Student Loan Fund, the principal to be safely invested and kept intact, the interest therefrom and accretions thereto to be used for making loans to worthy men students from Vermont—first consideration being given to those from Addison County.

Justin M. Ricker Fund. $3,387.91. Established in 1956 by Justin M. Ricker, '06.

Emma Hardy Slade Student Loan Fund. $3,119.17. A revolving loan fund for both men and women, but with preference given to women. Established in 1961 by the National Society of New England Women, in honor of its founder.

PRIZES AND AWARDS

There are many generous prizes and awards for which students may compete in various ways.

Charles B. Allen Memorial Prize. In memory of "Corky" Allen, '62. Income from $4,120.75. Awarded to the senior man who has excelled in the fields of biology, chemistry and/or physics, and who by his participation in athletics and other student activities has contributed to the spirit of Middlebury.

Bishop Atwood Historical Prize. Income from $323.84. Awarded to the man who does the most distinguished work in history. Established in 1938 by Julius W. Atwood, 1878, Bishop of Arizona, 1910–1925.

Byron E. Bermas, Jr., Prize. Income from $500. Awarded to a man or woman in the senior class who has done outstanding work in Geography.

Berwick Memorial Trophy. In memory of John Frederick Berwick, Jr., Class of 1954, given by Beta Pi of Phi Kappa Tau. "An honor voted annually to the most valuable male intramural athlete who has shown outstanding qualities in performance, leadership, and good sportsmanship."

Deacon Boardman Peace Prize. Income from $2,309.64. Awarded to a member of the junior class submitting the most creditable literary essay of at least 2,000 words in favor of peace and in opposition to war as a method for settling international differences. In memory of Samuel Ward Boardman, Professor of Rhetoric and English Literature 1859–1861.

The Blue Key Trophy. An honor voted annually to the freshman who, by his performance, example, and influence as an athlete and as a man has done the most to advance the cause of sportsmanship, and the spirit of his class and College. Established by Blue Key, 1948.

Barbara Buchanan Memorial Award, in memory of Barbara J. Buchanan '62. Income on $1,633. Awarded to the senior woman who most fully represents Barbara Buchanan's academic excellence and ideal of service.

Reid L. Carr Prize. Income from $1,500. Awarded to the male member of the senior class who has shown the greatest proficiency in English Literature.

George H. Catlin Prize. The annual income, not exceeding $1,000, on a fund established by the will of George H. Catlin in 1930, awarded annually to the student who completes the full A.B. "classical" course, showing the highest grade for scholarship and deportment. Established in 1918 by George H. Catlin, Hon. LL.D. 1920, Pennsylvania banker.

George H. Catlin Classical Prize Fund. Income from $1,000. Awarded to a man in the senior class whose college work in Greek and Latin is adjudged worthiest of distinction.

George H. Catlin Fund. Income from $7,615.74. Established by the will of George H. Catlin, in 1951. Awarded each year to the student who has completed with the highest average the full four-year "classical" course, including preferably some study of Latin and Greek.

Eaton Prize. Income from $1,000. Awarded to the student who in the opinion of the President and the Faculty has maintained the highest standing in the Classics.

George Ellis Fellowships. Two fellowships, each with an annual value of over $2,000, were established at Columbia University in 1931, under a provision in the will of George W. Ellis, to be open primarily to residents of Vermont or to the graduates of Middlebury, Norwich, and the University of Vermont. The fellowships are awarded to qualified men or women for pursuing advanced or graduate study in any of the faculties or schools at Columbia. Information on this fellowship may be secured from the President's Office.

Harry M. Fife Memorial. Income from a fund of $987.77, established in memory of Harry M. Fife, Professor of Economics, 1925–50.

Maude Violet Graybar American History Prize. Established in 1966 by Lloyd J. Graybar '60 in memory of his mother, Maude Violet Graybar. Income on $500 awarded annually to the student who writes the best honors thesis in American History since 1860 or, at the discretion of the departmental chairman, to the Senior student who has displayed the greatest proficiency in American History since 1860 during the four undergraduate years.

Hazeltine-Klevenow Cup. Awarded to a man in any of the four classes who has best combined ability in athletics and excellence in scholarship. The name of the recipient is placed on the cup as a permanent record, and a replica of the cup is presented to the winner. Established by Marshall M. Klevenow, Middlebury coach, 1925–1928, and Burt A. Hazeltine, Dean of Men, 1926–1938.

Kellogg Latin English Prize. $25. and $15. Awarded for the two best examination papers on Horace. Established by Brainerd Kellogg, Professor of Rhetoric and English Literature, 1861–1868, and trustee, 1885–1920.

Edwin Winship Lawrence Prizes. Income from $13,140.34. Awarded to three students adjudged by the English Department to exhibit the greatest proficiency in debating. Established in memory of the donor's father, George Edwin Lawrence, 1867, Vermont lawyer.

Edwin Winship Lawrence Prizes. Income from $2,000. ($1,000 of this fund is held by the University of Vermont.) Awarded to four debaters participating in the annual debate between the University of Vermont and Middlebury. The winners are the best four in the two teams. Established by E. W. Lawrence.

Edwin Winship Lawrence Prize. $120. Awarded annually to the freshman or sophomore showing the greatest improvement in debating proficiency. Appropriated from

the income of the Edwin Winship Lawrence Fund For Developing and Improving Debating to encourage freshman and sophomore students to engage in debating.

Rose Martin Spanish Prize of $25. Awarded to that woman graduating with a Spanish Major, named by the Department of Spanish for her outstanding performance in the major area. Established in May 1961 by the Manhattan Middlebury Alumnae Association.

Merrill Prizes. $30, $25, $20, $15. Awarded to four students adjudged best speakers in a contest of students. Established in 1882 by Thomas A. Merrill, Middlebury pastor, 1805–1842, and trustee, 1806–1852.

Mortar Board Cup. Awarded to a sophomore woman who in the opinion of the Chapter has shown the greatest interest in College by participation in extracurricular activities and by attainment of high scholarship. Established by Mortar Board.

Optima Prize $200. Awarded to the junior woman who by vote of her class is considered most typical of Middlebury, as shown in character, scholarship, and personality. The winner also receives a gold emblem. Established in 1929 in memory of Henry Hobart Vail, 1860, trustee 1893–1925, by Mr. and Mrs. Roger S. Baldwin in appreciation of the benefits derived by their daughter Catherine (Mrs. Catherine Baldwin Blanke) during her undergraduate years at Middlebury.

Mildred Virginia Osher History Prize. Established in 1963 by Lloyd J. Graybar '60 in memory of his aunt, Mildred Virginia Osher. Income of $500. Awarded annually to the student who writes the best honors thesis in history or, at the discretion of the departmental chairman, to the senior student who has displayed the greatest proficiency in the study of history during the four undergraduate years.

Parker Prizes. $50 divided. Awarded to students, adjudged best speakers in a contest of students. Established in 1807 by gift of Daniel Parker, French merchant and landlord, and by Frederick Hall, Professor of Mathematics and Natural Philosophy, 1805–1824.

John P. Stabile Memorial Cup. Awarded to the athlete who best exemplifies the Middlebury spirit. Established in memory of Lt. John P. Stabile, '40, killed in action, Guadalcanal. Established by Lt. John F. Hogan, '41.

Mary Dunning Thwing Prize. Income of $1,500. Awarded to a woman student who in her junior and senior year has done the best work in English composition, prose and poetry. Established by Charles F. Thwing, President of Western Reserve, in memory of his wife, Mary Dunning Thwing.

Alice J. Turner Memorial Trophy. Awarded each year to a member of the varsity basketball team.

Wetherell Prizes. Income from $1,310.47. Awarded to the two men showing the greatest interest and proficiency in debating. Established by friends in 1922 as a memorial to Archibald D. Wetherell, Assistant Professor of History, 1908–1916.

Franklin G. Williams '13 and Sara H. Williams '12 Memorial Award. Income from $1,000 to be awarded to a young man or woman in the sophomore class, on the basis of deep human qualities of natural kindness, perceptivity of the needs and feelings of others, and an abiding sense of personal responsibility.

Woolsey Prizes. Income from fund of $1,361.38. Awarded to the two undergraduates writing the best examinations in Bible. Established in 1933 by Theodore S. Woolsey, trustee, 1922–23.

Attendance Statistics

FALL TERM 1969–70

GEOGRAPHICAL DISTRIBUTION

United States and Possessions	Men	Women	Total
New York	226	158	384
Massachusetts	156	95	251
Connecticut	109	79	188
New Jersey	89	66	155
Vermont	51	35	86
Pennsylvania	37	36	73
Ohio	23	17	40
Minnesota	26	8	34
Maryland	12	21	33
New Hampshire	19	11	30
California	20	9	29
Maine	16	12	28
Virginia	10	16	26
Colorado	14	8	22
Illinois	12	7	19
Rhode Island	7	11	18
District of Columbia	2	12	14
Michigan	6	5	11
Missouri	5	6	11
Washington	4	7	11
Texas	3	6	9
Florida	5	2	7
Delaware	4	2	6
Georgia	2	4	6
Hawaii	4	2	6
Wisconsin	2	4	6
North Carolina	2	3	5
West Virginia	2	3	5
Louisiana	1	3	4
Alabama	1	2	3
Alaska	2	1	3
Arizona	3	0	3
Indiana	2	1	3
Iowa	0	3	3
Kansas	0	3	3
Montana	1	2	3
Oregon	3	2	5
Tennessee	0	3	3
Oklahoma	0	2	2
Kentucky	1	0	1
Nebraska	0	1	1
Nevada	0	1	1
Puerto Rico	0	1	1
South Dakota	0	1	1
Utah	0	1	1
Virgin Islands	0	1	1
Wyoming	1	0	1
Outside United States			
Canada	17	13	30
England	4	4	8
France	2	1	3
Greece	3	0	3
Italy	1	1	2
Lebanon	2	0	2
Mexico	1	1	2
Nigeria	1	1	2
South Africa	2	0	2
Switzerland	1	1	2
West Germany	0	2	2
Afganistan	0	1	1
Arabia	1	0	1
Balboa	1	0	1
Belgium	0	1	1
Columbia	0	1	1
Congo	1	0	1
Costa Rica	1	0	1
Ethiopia	1	0	1
Gambia	1	0	1
Honduras	1	0	1
Niger	0	1	1
Norway	1	0	1
Peru	1	0	1
Philippines	0	1	1
Turkey	1	0	1
West Africa	1	0	1
	930	700	1630

ATTENDANCE BY CLASSES

Undergraduates	Men	Women	Total
Seniors	167	134	301
Juniors	208	147	355
Sophomores	280	240	520
Freshmen	260	176	436
	915	697	1612
Special Students	5	2	7
Graduate Students	10	1	11
	930	700	1630

GENERAL SUMMARY

Regular Session	Total
Undergraduates	1612
Special Students	7
Graduate Students	11
	1630
Graduate School of French in France, 1969–70	100
Graduate School of German in Germany, 1969–70	29
Graduate School of Italian in Italy, 1969–70	23
Graduate School of Spanish in Spain, 1969–70	77
Language Schools, Summer 1969	1045
Bread Loaf School of English, Summer 1969	213
Writers' Conference, Summer 1969	213
	3330
Less: Counted twice	195
	3135

HISTORICAL EVENTS

1761	Nov. 2	Charter of the town of Middlebury granted from New Hampshire.
1766	June	John Chipman clears first "pitch" in Middlebury.
1773	June	First log house built in town by Benjamin Smalley.
1777	Jan. 15	Vermonters make Declaration of Independence from New Hampshire.
1778	Nov.	Settlement of Middlebury completely plundered by British.
1783	Apr. 3	First permanent settlement made in town.
1791	Mar. 4	Vermont admitted to the Union.
1796	Oct. 25	Present site of College Campus annexed from town of Cornwall.
1797	Nov. 8	Addison County Grammar School chartered by the State Legislature.
1798	Sept. 30	Timothy Dwight visits Middlebury and a plan for starting Middlebury College is discussed.
1800	May	Female Academy established.
	Nov. 1	College charter granted by State Legislature and Jeremiah Atwater elected first President.
	Nov. 4	First Trustees' Meeting.
	Nov. 5	First students admitted.
1802	Aug. 18	First College Commencement. One student, Aaron Petty graduated.
1806	Aug. 21	Professorships of Natural Philosophy and Law created.
1807	July	Emma Hart elected Principal of the Female Academy.
1809	May 31	Congregational Church dedicated.
	Aug. 16	Jeremiah Atwater resigns; Henry Davis elected President.
1810	Aug. 15	First Professorship of Languages established.
1811	Sept.	Great religious revival in College.
1816	Mar.	Painter Hall opened to students.
	Aug. 22	Professorship of Divinity established.
1817	Oct. 6	President Henry Davis resigns.
	Oct. 7	Joshua Bates elected President.
1819	May 21	Gamaliel Painter dies, bequeathing most of his estate to Middlebury.
1820	Aug. 16	Middlebury adopts Castleton Medical School.
1822	Dec.	Private French School opened in Middlebury by John B. Meilleur.
1824	Aug. 18	Alumni Association formed.
1827	Dec. 4	Mechanical Association for "promoting systematical bodily exercise" started.
1830	Oct. 28	First issue of *The Undergraduate* published.
1833	July	*The Philomathesian*, undergraduate literary magazine, first published.
1835	Aug. 20	Chair of English Literature and Education founded.
1836	Aug.	Old Chapel completed.
1839	Jan.	Great religious revival ends disastrously.
	Mar. 18	Inauguration of the Professors.
	Sept. 4	President Joshua Bates resigns.
1840	Apr. 20	Morning chapel is changed from 5:30 to 5:00.
1841	May 18	Benjamin Labaree inaugurated President.
1842	Dec. 2	First Forefather's Day celebrated at Middlebury.
1843	Nov. 26	Middlebury Chapter of Chi Psi founded.

1859	Apr. 15	First athletic field planned.
1860	Nov. 1	Cornerstone for Starr Hall laid.
1961	Mar.	Gymnasium opened for College and town.
	Apr.	Full company of students enlist.
1864	Dec. 25	Starr Hall burned.
1865	Aug. 8	President Benjamin Larabee resigns.
1866	Jan. 2	Harvey D. Kitchel elected President.
	June	Bread Loaf Inn opened.
1868	Aug. 7	Phi Beta Kappa charter granted to Middlebury.
1873	July	President Harvey Kitchel resigns.
1875	June 8	Calvin B. Hulbert elected President.
1876	Mar.	First issue of the "second" *Undergraduate* published.
1880	Aug. 23	Cyrus Hamlin elected President.
1881	Sept. 27	Formal opening of Library in North Painter Hall.
1883	Sept. 13	First women enter Middlebury.
1885	July 1	President Cyrus Hamlin leaves office.
1886	Apr. 17	Ezra Brainerd elected President.
1888	Mar. 16	College snowbound in 10 to 15 foot drifts.
	Nov. 24	State Legislature gives first financial assistance to College—$1200 for scholarships.
1889	Nov.	First Glee Club formed.
1890	June	Elective system established.
1891	Sept. 10	Battell Hall, first women's dormitory, opened.
1893	Oct. 21	First organized College football practice.
1895	June	Board at Battell Hall raised to $3.50 per week.
1897	July 13	Fund for Chair of Political Economy and International Law established.
1900	July 3	Starr Library dedicated.
1902	Dec. 4	Women's College at Middlebury established.
1908	Oct. 17	President Ezra Brainerd resigns and John Thomas elected President.
1909	May	Joseph Battell donates women's campus.
	July 7	First Summer School session opened.
1911	June	Pan-Hellenic council is created.
1912	Mar. 9	Alumnae Association formed.
	May	Women's Athletic Association organized.
1915	Feb. 23	Joseph Battell dies, leaving to the College a mountain campus of over 30,000 acres.
	June 29	German Summer School opened.
1916	July 8	French Summer School opened.
1917	May 6	College closes to permit students to enlist.
	June 30	Spanish Summer School opened.
	Sept. 26	*Campus* becomes a weekly newspaper.
1918	Oct. 25	S.A.T.C. programs for Artillery, Air, Chemical Warfare, and Transport Service adopted.
1920	June 30	Bread Loaf School of English opened.
	Sept. 20	Maison Française, one of the first in America, opened at Logan House.
1921	Jan. 28	President John Thomas resigns.
	July 28	Paul D. Moody elected President.
1922	Nov. 22	Black Panther adopted as College mascot.
1923	Feb. 22	Middlebury's first winter carnival.

	Sept.	Department of American Literature established.
1926	June 5	First Alumni *News Letter* published.
	Aug. 16	First Writers' Conference opened.
1931	May 6	General examination system adopted by faculty.
	June 14	Bread Loaf fire.
	July 6	German Summer School reopened.
1932	July 1	Italian Summer School opened.
1941	Aug.	Old Chapel becomes Administration Building.
1942	Feb.	College goes on wartime schedule.
	June 1	President Paul D. Moody retires; Dr. Freeman Acting President.
1943	Jan. 6	Samuel S. Stratton inaugurated as President.
	July 1	College adopts an accelerated three-term calendar.
	July 1	Navy V-12 unit of 500 men established at the College.
1945	June 29	Russian Summer School opens.
1947	July 1	First women elected to the Board of Trustees.
	Nov. 7	Fifty meter ski jump at Snow Bowl completed.
1949	June 11	World War II Memorial Field House dedicated in honor of the 62 men killed in action and the 1390 men and women who, served in the Armed Forces.
	Oct. 1	Graduate School of French in France established in Paris.
1950	Sept. 30	Sesquicentennial Celebration.
	Sept. 30	Dedication of Lang Field.
	Nov. 25	The hurricane.
1951	Oct. 1	Graduate School of Spanish in Spain established in Madrid.
1952	Feb. 25	Pres. Stratton leaves for a year as Point Four Director in Saudi Arabia. Vice President Freeman in charge.
	Sept. 18	R.O.T.C. unit established.
1953	Dec. 23	College Playhouse destroyed by fire.
1954	Mar. 18	Gifts from Wilks Estate total $2,454,399.
1957	July 1	Endowment and Accomplishment Grants from Ford Foundation total $549,500.
1959	Oct. 15	Graduate School of German in Germany established in Mainz.
1960	Sept. 19	Ford Foundation Grant of $111,500 for Teacher Training Program.
	Oct. 1	Graduate School of Italian in Italy established at Florence.
1963	Aug.	Completion of Arthur M. Brown Swimming Pool.
1963	Sept. 1	President Stratton retires; Dr. James I. Armstrong becomes twelfth President of the College.
	Nov. 8	James I. Armstrong inaugurated as President.
1964	June 25	Notification of Challenge Grant of $1,700,000 by Ford Foundation contingent on the College's matching it with $3,400,000 in new gifts funds by June 30, 1967.
1965	Sept. 27	Sunderland Language Center and Dana Auditorium dedicated.
1966	June 11	Middlebury Challenge Fund total of $8,039,722 announced.
	June 22	Chinese Summer School opens.
1968	Sept. 16	4–1–4 Curriculum goes into effect.
1968	Oct. 12	Christian A. Johnson Memorial Building for music and fine arts dedicated.
1969	Jan. 6	Science Center opened.
1969	Feb. 7	Hadley Hall (men) and Milliken Hall (women) opened.
1970	Feb. 21	Inauguration of Student Societies: Cook, Freeman and Hamlin.
1970	June 14	Japanese Summer School opens.

ALUMNI AND ALUMNAE

The Associated Alumni, one of the oldest organizations of its type in America, was established in 1824. The preamble to the constitution stated the purpose of the organization in 33 words that could not be better chosen today: "To revive the pleasing recollections of academic life—to cherish a laudable zeal for the advancement of literature and science and particularly for the prosperity of our Alma Mater this association is formed." A separate Alumnae Association for women graduates was formed in 1912. In 1969 these two organizations joined to form the Middlebury Alumni Association.

The business of the Alumni Association is conducted through the office of the Director of Alumni Relations at the College. Biographical information and addresses may be secured through him. The NEWS LETTER, the Middlebury quarterly magazine, is mailed to all alumni and alumnae.

NATIONAL ALUMNI OFFICERS 1970–71

President: Mrs. Donald W. Jeffries (Paula Knight, '45)
3104 Q Street N.W., Washington, D C. 20007
Vice President: John F. Bates, '42 — 4 Brook Drive, Simsbury, Conn. 06070
Directors:
Robert E. Cleary, '50 — 138 Mansfield Avenue, Darien, Connecticut 06820
Kenneth A. Nourse, '52 — 66 Donald Avenue, Holden, Massachusetts 01520
Miss Susan D. Shattuck, '69 — Ecole Champlain, Ferrisburg, Vermont 05456
Mrs. Phillips G. Terhune, Jr. (Carol Van Duyn, '57))
8 Echo Drive, Darien, Connecticut 06820
Director of Alumni Relations: Gordon C. Perine, '49
22 South Street, Middlebury, Vermont 05753
Secretary: Mrs. John L. Diaz, Jr. (Janet Deakins, '53)
R. F. D. 3, Middlebury, Vermont 05753
Treasurer: Carroll Rikert, Jr.
7 Green Mountain Place, Middlebury, Vermont 05753

ALUMNI TRUSTEES
(*Term Five Years*)

Chester H. Clemens, '33 (elected 1966) — 36 Mill Lane, Hingham, Mass. 02042
Frederick W. Lapham, '43 (elected 1967)
177 Summit St., Burlington, Vt. 05401
Dr. Raymond A. Ablondi, '52 (elected 1968)
2761 Lamplighter Lane, Bloomfield Hills, Michigan 48013
Mrs. Anthony G. L. Brackett (Mary Williams, '36 elected 1969)
19 Cherry Lane, Wilton, Connecticut 06897

PRESIDENTS OF REGIONAL ALUMNI/AE CLUBS

Boston: Mr. Robert E. Seixas, '49
97 Fisher Street, Westwood, Massachusetts 02090
Mrs. Charles C. Palmer (Patricia Judal, '57)
99 Fairbanks Avenue, Wellesley Hills, Massachusetts 02181
Capitol District (N.Y.): Dr. Mark Benz, '56
11 Parkwood Drive, Burnt Hills, New York 12027
Cleveland: Mrs. William C. Garrett (Nancy Finley, '47)
15485 Russell Road, Chagrin Falls, Ohio 44022

Hartford: Mrs. Paul B. Cullen (Elsa Norgaard, '41)
41 Long View Road, West Hartford, Connecticut 06107
Long Island: Mrs. John C. Trask (Frances-Jane Hayden, '41)
36 Melbourne Lane, Old Bethpage, New York 11804
Montreal: Mr. Kenneth Kouri, '59
13 Greenwood Street, Ste. Therese, Quebec
New Jersey: Mrs. Don Phillips (Susan Daniell, '58)
23 Oak Hill Road, Short Hills, New Jersey 07078
Philadelphia: Mrs. David Irving (Barbara Freeman '59)
10 Pembroke Road, Media, Pennsylvania 19063
Rochester: Mrs. Bernard C. Young (Carol Treiber, '58)
9 Hanford Way, Fairport, New York 14450
Twin State: Mrs. Laurence P. Folsom (Irma Willey, '29)
1 Highland Avenue, Claremont, New Hampshire 03743
Washington, D. C.: Mrs. Edmund B. Cronin, Jr. (Leslie Dearborn, '62)
5312 McKinley Street, Bethesda, Maryland 20014
Worcester: Mrs. J. Palmer Prescott (Lara Wheaton, '29)
Dudley Hill, Dudley, Massachusetts 01572
Mr. Hadley G. Spear, '22
39 Westwood Drive, Worcester, Massachusetts 01609

Honorary Degrees Conferred by Middlebury College

June 2, 1969

DOCTOR OF LAWS
Barbara Wishart Erickson

DOCTOR OF SCIENCE
John Archibald Wheeler

DOCTOR OF CIVIL LAW
Benjamin Elijah Mays
Edmund Sixtus Muskie

August 9, 1969

DOCTOR OF LETTERS
Wylie Sypher
Northrop Frye

August 12, 1969

DOCTOR OF LETTERS
Mischa Harry Fayer
Werner Neuse

DOCTOR OF LAWS
Ernest J. Simmons

Middlebury College

DEGREES IN COURSE

June 2, 1969

MASTER OF ARTS

Real Gerard Boivin, A.B. (*St. Anselm's College*) *1966*
Caroline Cecelia Cobaugh, A.B. (*Immaculate College*) *1964*
Jean Marie D'Amato, A.B. (*Tufts University*) *1967*
Barbara Morgan Gold (Mrs.) A.B. (*Wesleyan University*) *1963*
Miriam Barbara Huebschman, A.B. (*Washington University*) *1967*
Christa Carl Knechtel (Mrs.) A.B. (*Rosary College*) *1961*
Sister Barbara Mary O'Brien, B.S. (*Boston Teachers College*) *1932*
George Michael Soldatow, A. B. *Equivalent in Germany*
Robert James Stewart, A.B. (*LaSalle University*) *1963*

MASTER OF SCIENCE

Alan Mankin Johnson, A.B. (*Eastern Nazarene College*) *1966*

BACHELOR OF ARTS

Eric Lars Anderson
Harriet Curtin Arnone
Douglas Keith Ashby
Selden Daskam Bacon, Jr.
David Hastings Bahnson
Jean Brewster Baldwin
James Harold Barnes
Douglas Nelt Barr
Kathleen Bernadette Barry
Carol Iolene Barton
Eric Howard Bass
Frederick Whittier Batten
Gwyneth Hill Beagley (Mrs.)
Walter Kulp Beagley
Katherine Lou Beisler
Edward Stewart Bergman
William Milford Bethke
Susan Cheryl Bieniek
Richard Mark Bittman
Leslie Alan Blau
Barbara Nancy Booth
Edward William Brancati
David Russell Brautigam
David Henry Breen
Barbara Anne Brennan
Nancy Lois Breuer
Cornelius Joseph Brosnan, Jr.
Laird Bell Brown
Milton Frederick Brown
Charles Newcomb Brush, III
Arthur Lamb Bryan
Louise Ann Buckwalter
Deborah June Burgstaller
Josephine Barroll Burke
Amelia Burnham
Harry Carey
Claiborn McDowell Carr, III
Deborah Ann Carr
John Robert Carr, III
Marjorie Jean Carran
Paula Claire Chabot
Thomas Carter Chamberlin
Francis Edwin Chin
Putman Damon Clark
David Jeffrey Cleveland
Constance Audrey Coffin
Robert Seth Cohen
Wendy Ainsworth Cole
Linda Lilian Colwell
Keith Jeffrey Conners
Josephine Merle Corcoran
Susan Virginia Cornes
Alan Shaw Cort
Robert Benedict Cowan
Kenneth Arthur Cox
Michael DeKlyn Crampton

Patricia Wyn Cross
John Gregory Crowley
Marjorie Priscilla Cummings
Roger Willis Cummings
Douglas Mayfield Dalton
Jeffrey LeMoyne Danner
Glenn Sanford Davis
Marjorie Louise Davis
Philip Hewes Davis
Laura Ann Decker
Peter Darwin Degree
Ronald Peter DeGregorio
Gerard Marcel de Gunzburg
Donald Flint Delano, II
John Peter DeYoe
Arlethia EuVonne Diamond
Jon Bernard Dickinson
David Allen Dodge
R. Michael Doherty
Jo-Anne Dolinsky
Gael Ann Dougherty
Kevin Francis Ducey
Mark Joseph Durst
Linda Sue Eakeley
Samuel Knox Eaton, Jr.
Robert Franklin Echols
Richmond Terrell Edes
Robert Fulton Ekstrom
Richard Gildersleeve English
Lynne Ann Ensinger
James Robert Esmond
Reginald Fitz
Samuel Alexander Forter, Jr.
Farida Mehri Fotouhi
Charles Resor Frank
Robert Stanley Frem
John Randall French, Jr.
Elizabeth Killorin Fryberger, II
Theodore Monroe Gage
Richard William Gaines
Sarah Alden Gannett
Donald Carl Garber
Amy Louise Geiser
Dale Winthrop Goddard
Lee Hubbard Goullaud
Susan Lee Graves
Stephen Collinson Gray
Karen Grose
Eric Michael Gross
Donald William Gulick
Finn Egil Gundersen
Addison Curtis Hall
James Ernest Hambleton
Karen Ellen Hanford
Wilson Frederic Harriman
Thomas Shelby Harrington
Anne Wilmarth Harris
Peter Bromwell Harris
William Holyoke Hearne
Kurt Odell Heinzelman
Michelle Anne Hennin
Edward Sisson Hilton
John Peter Hinz, Jr.
Christy Ann Hitchens
Wilfred Perry Hodgdon
Jonathan Patrick Hodgkin
Shepherd Monson Holcombe, Jr.
Virginia Elizabeth Hopper
Patricia Gail Horton
James Marshall Hoverman
Elizabeth Hopestill Hunt
Gary Donald Hydinger
Mary Joyes Ide
Koichi Ishiyama
Carter Dickerman Jahncke
William Lyman Jenkins
Janet Susan Johns
Jamie Johnson
Otis Russell Johnson, III
Robert William Johnson, III
Frank Baron Jones
Lee Whittlesey Jones
Sallie Luree Jones
Geoffrey Stewart Kaufman
Sally Ellen Keene
George McCurrach Keiser
Harriette Louise Kindig
Steven Hardy Kipp
John Logan Kirby
Joel Richard Klein
Beatrice Kleinschmidt
Burton Bower Knapp, Jr.
Hugh Malcolm Knapp
Margit Anne Knerly
Patricia Anne Kruse
Gilbert Lewis Kujovich
Joseph John Laboda
John Lee Lamprecht
David John Lechner
Ruth Betsy Levin
Susan Roberta Lidstone
Bruce Thomas Lindemann

Louise Martin Lindemann (Mrs.)
Elinor Livingston
Karen Margaret Loesch
Sigfrid Rhodes Lonegren
Julia Teresa Lord
Mary Elizabeth MacArthur
Henry Joseph Maciejewski, Jr.
Joel Leifur Magnusson
Susan Margaret Mallon
Shirley Markland
John Wilson McConnell
Kendra Jean McKenzie
John Louis McMahan, Jr.
John Edward Mertz
Andrew Stuart Miller
Molly Gae Miller
Carol Gale Minns (Mrs.)
Richard Earle Minton
Peter Quentin Montori
Alan William Moore
Roberta Jean Moore
Richard Ainsworth Morris
Dexter Allen Morse
William Hanson Morton, Jr.
Amusaa Katunda Mwanamwambwa
Bentley McCloud Myer
Stefan von Braun Nagel
David Richard Nelson
Eric Alan Nelson
Peter Butterfield Nelson
Helen Jean Niemiec
Alan Nothern
Kenneth Pressley Nunn, Jr.
Jacqueline Elizabeth Ogden
Robert John Orchard
Peter David Ostrow
Linda Kay Palmer
Chester Parasco, Jr.
Timothy Warren Peck
Charles Mereness Perry
Leland Spencer Person, Jr.
Darsie Jean Phelps
Elaine Elizabeth Pierrel
Seth Henry Pincus
Terry Lee Pindell
Ann Tallarico Plantier (Mrs.)
Theda Louise Politis
Alan David Port
Kenneth Howard Post
Robert Edward Powell
Andrew Martin Power
Pamela Marcy Pritchard
Laurence Lee Raffel
Beverly Anne Rainey
Virginia Ann Rauh
Daniel Stevens Redmond
Peter Lewis Reitsma, Jr.
Robert Leonard Riccio
Howard Edward Richmond, Jr.
Susan Jane Robb
Primus Robinson
Willie Alma Robinson
Susan Rohrbacher
Arthur Wayne Ross, III
Leslie Joy Roth
Katherine Parker Rouse
Pamela Dale Sadler
Deborah Lunt Salley (Mrs.)
Sandra Carol Sapp
John Tigranis Savalanos
David Hamilton Sayre
Neil Stephen Scheinin
Jay Montagu Schippers, III
Ann Lee Schmeichel
Sarah Isler Schoch
Robert Lawrence Schuerhoff
William Kenneth Sessions, III
Ralph Emerson Sexton, II
Frederick Mordecai Shaine, Jr.
Susan DeForrest Shattuck
Thomas Walton Shreeve
Cynthia Madeleine Sidney
Jack Sheldon Silberman
Jett Lambert Smith, III
Trennie Elizabeth Snyder
James Frederick Soja
David Paul Speert
James Timothy Spencer
Douglas Alan Spragg
Ann Myers Stauffer
Judith Lee Stine
Andrew Whitford Streit
Eleanor Elizabeth Stutz
Wayne Sedgwick Swift
Ann Goodwin Sykes
Candace Hope Syverson
Ellen Elizabeth Taylor
Gustavus Franklin Taylor
Karen Ann Terhune
Beverly Bash Thierwechter
Stephen Good Thomas
Robert Reade Thompson

John Street Tidd
Anne Tillinghast
Dorothy Jane Tripp
Donald George VanDerveer
John Carl Van Leer
Christopher Van Raalte
Richard Wallace Verge
Alison Vida
Sylvia Joanne Viles
Julie Jennifer von Wettberg
Conlin C. Wagner, Jr.
Juliane Gail Wallace
Christopher Strattan Walsh
Patricia Ann Warzel
Henry Stevenson Washburn
Douglas Elston Way, Jr.
Karen Nicewonger Weiss (Mrs.)
Richard Stephen Werdiger
Clemens Alva Werner, Jr.
Ira Benjamin Wheeler, III
Richard Whitehill
Patricia Whitney
Susan Mahe Whittaker
Eric Everett Winslow
Andelys Wood
Jill Bartlett Woodman
Francis Michael Woodward
James Willard Woodworth
Christina MacKenzie Yates
Karen Anne Young
Francis Paul Zezza

Bachelor of Arts, having completed the requirements for the degree of Doctor of Dental Medicine from the University of Pennsylvania School of Dental Medicine, under the Combined Professional School Plan:

Gerald Gershon Udler

JUNE 2, 1969

DEGREES CONFERRED WITH DISTINCTION

Magna cum Laude

Kathleen Bernadette Barry
Amelia Burnham
Robert Franklin Echols
Burton Bower Knapp, Jr.
Louise Martin Lindemann (Mrs.)
Virginia Ann Rauh

Cum Laude

Harriet Curtin Arnone
Richard Mark Bittman
Barbara Nancy Booth
Deborah June Burgstaller
Josephine Barroll Burke
David Jeffrey Cleveland
Linda Lilian Colwell
Patricia Wyn Cross
Jo-Anne Dolinsky
Linda Sue Eakeley
Farida Mehri Fotouhi
Karen Grose
James Ernest Hambleton
Kurt Odell Heinzelman
Virginia Elizabeth Hopper
Elizabeth Hopestill Hunt
Jamie Johnson
Margit Anne Knerly
Gilbert Lewis Kujovich
Joseph John Laboda
Henry Joseph Maciejewski, Jr.
Kendra Jean McKenzie
Molly Gae Miller
Helen Jean Niemiec
Peter David Ostrow
Timothy Warren Peck
Charles Mereness Perry
Seth Henry Pincus

Ann Tallarico Plantier (Mrs.)
Alan David Port
Robert Edward Powell
Peter Lewis Reitsma, Jr.
Susan Jane Robb
Pamela Dale Sadler
Ann Lee Schmeichel
David Shimkin
Thomas Walton Shreeve
Trennie Elizabeth Snyder
Douglas Alan Spragg
Judith Lee Stine
Andrew Whitford Streit
John Street Tidd
Douglas Elston Way
Karen Nicewonger Weiss (Mrs.)
Andelys Wood

Department Honors

American Literature—*High Honors:*

Reginald Fitz

American Literature—*Honors:*

Nancy Lois Breuer

Biology—*High Honors:*

David John Lechner
Pamela Dale Sadler

Chemistry—*High Honors:*

Burton Bower Knapp, Jr.
Eric Alan Nelson
John Street Tidd
Richard Whitehill

Chemistry—*Honors:*

Seth Henry Pincus
Donald George VanDerveer

Economics—*Honors:*

William Milford Bethke

English—*Highest Honors:*

Kurt Odell Heinzelman

English—*High Honors:*

Robert Franklin Echols
Terry Lee Pindell
Andelys Wood

English—*Honors:*

Jamie Johnson

Geography—*Highest Honors:*

Juliane Gail Wallace

Geography—*Honors:*

Sarah Isler Schoch

Geology—*Highest Honors:*

Robert Edward Powell

History—*High Honors:*

Carol Iolene Barton
Louise Ann Buckwalter
Deborah June Burgstaller
Elizabeth Hopestill Hunt
Peter David Ostrow
Julie Jennifer von Wettberg

History—*Honors:*

Douglas Mayfield Dalton
John Peter De Yoe
Harriette Louise Kindig
Willie Alma Robinson
Trennie Elizabeth Snyder

Mathematics—*Highest Honors:*

Richard Mark Bittman

Philosophy—*Honors:*

John Logan Kirby

Political Science—*High Honors:*

Koichi Ishiyama

Political Science—*Honors:*

Leslie Alan Blau
Christy Ann Hitchens
Thomas Walton Shreeve

Psychology—*Highest Honors:*

Walter Kulp Beagley

Psychology—*High Honors:*

Harriet Curtin Arnone

Psychology—*Honors:*

Gwyneth Hill Beagley (Mrs.)

SOCIOLOGY-ANTHROPOLOGY—*High Honors:*

Eleanor Elizabeth Stutz
Patricia Ann Warzel
Karen Nicewonger Weiss
Jill Bartlett Woodman

SOCIOLOGY—*Honors:*

Stephen Collinson Gray
Shirley Markland

RUSSIAN—*High Honors:*

Susan Jane Robb

Appointments to PHI BETA KAPPA

Harriet Curtin Arnone
Kathleen Bernadette Barry
Richard Mark Bittman
Amelia Burnham
David Jeffrey Cleveland
Linda Lilian Colwell
Patricia Wyn Cross
Jo-Anne Dolinsky
Linda Sue Eakeley
Robert Franklin Echols
Kurt Odell Heinzelman
Virginia Elizabeth Hopper
Elizabeth Hopestill Hunt
Jamie Johnson
Burton Bower Knapp, Jr.
Gilbert Lewis Kujovich
Joseph John Laboda
Louise Martin Lindemann (Mrs.)
Helen Jean Niemiec
Peter David Ostrow
Seth Henry Pincus
Ann Tallarico Plantier (Mrs.)
Alan David Port
Robert Edward Powell
Virginia Ann Rauh
Susan Jane Robb
Pamela Dale Sadler
David Shimkin
Douglas Alan Spragg
Andrew Whitford Streit
John Street Tidd
Andelys Wood

COMMENCEMENT HONORS

Men

VALEDICTORY HONORS—Burton Bower Knapp, Jr.
SALUTATORY HONORS—Robert Franklin Echols

Women

VALEDICTORY HONORS—Amelia Burnham
SALUTATORY HONORS—Louise Martin Lindemann (Mrs.)

DEGREES CONFERRED IN MIDDLEBURY SUMMER SCHOOLS SUMMER 1969

MASTER OF ARTS

English School—August 9, 1969

Thomas Bass
Miles Taft Bryant
James Anthony Ciletti
Arthur Leo Clark
Mary Riggs Clark
John Denison Cole
Joan Marie Connors
Nancy Jeanette Davis
John William Eastman
Linda Louise Felch
William Waddell Fleming
Stewart Shepherd Forde
Walter Albert Frey, III
Bette Lou George
Patricia Chamberlin Gruteke
Charles Edwin Hopkins, Jr.
Scherer Grace James
Sarah Catherine Kelleher
Elizabeth Knight

Charles Phillip Martin
Gay Gloria Miller
Anne Todd Palmer
Susan Russell Paluska
John Matthew Pasanen
William Francis Patterson
Alice Neef Perine
Francis Osborne Richardson
Catherine Ann Smith
Betty Webb Swartley
Lyle Blair Torrey, Jr.
Linda Sears Tressler
Kristin May Urban
Judith Gardner Weaver

French School—August 12, 1969

Robert Charles Arruda
Richard Green Balboni
Kathleen Basher
Suzanne France Beaudin
Jack Wayne Bishop
Jill G. Bloch
Gisele Boulais
Emile Joseph Boustany
Frank Bradley
Raymond Euclide Brouillard
Robert John Brzezinski
Joan Anne Buhlmann
Richard Bailey Burgess
Joy Calhoun
James Neil Carruthers
Roseline Casavant-Mann
Elizabeth T. Chambers
Marcel William Charland
Sally Fitzsimons Cochran
Philip Eugene Cook
Paul Louis Desrochers
Louise Elizabeth Dorchester
John Allen Fitz-Gerald
Alfred Foisy
Lita Marian Furby
Edith Tilles Gray
Carol Weir Hazelton
Judith Ann Jones
Suzanne Chalfant Kendrick
Melvin Bernard Kerman
Anne laDue Kerr
Margaret Helen Levis
Robert Howe Linberg
Andre Michel Lubrano Lavadera
John Douglas Macbeth
Eva Henriette Masur
Susan Marie McKeon
Paul Marvin McLean
Marilyn Joyce Mollo
Christine Olpin Pabon
Thomas T. Peyton
Juanita Ann Ponte
Michael Prata
Eleanor Mary Providence
James Howard Radtke
Joan Marie Reilly
Marjory Drake Schell
Julianne Maher Schmidt
Sister Margaret Vadas
Sister Jeanne Marie Poirier, SUSC
Sister Marie Flores Palma, O.P.
Sister Mary Louise Sequin
Marilyn Ballou Starr
Barbara Ann Tobia
Marilyn Rose Vasko
James William Whitney
John Megathlin Wilson
Florence Jennings Wofford
Martha McCaughtry Yavener
Carolyn Joyce Deyett

Graduate School of French in France—August 12, 1969

Nancy Dudley Benson
Faye Marie Bigarel
Linda Margaret Breitschwerdt
Joan Ellen Brim
Toni Brusble
Bruce Malcolm Campbell
Anna Maria Denise Codispoti
Olympia De Santis
Gerard Albert Desjardins
Therese Cecile Dumaresq
Rosemary Elizabeth Eddy
Marjorie Anne Field
Grace Rise Fredkin
Jean Fremont
Anne Hillary Gassaway
Nancy Jeanne Giguere
Percy Winston Giles
Ann Wheaton Graff
Eloise LeFevre Graham
Mary Louise Harmon
Susan Alita Haws
Claudia Isabelle Hoffer
Julia Peale Horner
Beatrice Marie Imsand
Esther Yae Iwanaga

Alice Mae Kerman
Connie Lynn King
Madeleine Virginia Kirkconnell
Dee Ann Kittner
Barbara Jean Kneubuhl
Gary Marshall Kuhn
Susan Jean Kumpe
Margaret Madeline Machado
Ann Kathleen Martinmaki
Eleanor Bennett McMurrin
Barbara Dunitz Melvin
Nancy Lynn Merritt
Franz Wilhelm Meyer
Patricia Ann Meyers
Robert Miller
Kimberly Molloy
Diane Lewis Nemir
Carol Page
Lloyd Robert Paradiso
Silvana Rosalba Petrizzelli
Carl Alfred Picazio
Joseph Thomas Plageman
Eleanor May Rachlin
Margaret Elaine Rand
Patricia Joan Roberts
Jane Helen Ryan
Karla Dale Silverman
Chantal Marie Sironneau
Andrea Eugenia Swansiger
Ellen Louise Szatkowski
Leslie Jean Taylor
Jacqueline Luella Thomas
Mary LeClerc Vogt
Vera Margaret Ward
Joan Weller
Cynthia Wildman
Carol Day Young
Elizabeth Louise Zilberbogen

German School—August 12, 1969

Karen Elizabeth Beisel
Gertraud Gutzmann Brodhead
Alice V. Gilbert
John Charles Green
Paul Ralph Grover
Mark Hobson
Max Bailey Horton, Jr.
Rita Mae Lentz
Arnold Matz
Richard Krause Miller
Kathryn Lou Mosier
David Lauren Munyon
Mary Theresa Nicholas
Brooks Henderson Pettit
Judith Lynn Pool
Rudolph Franklin Rau
Brent Albert Richards
Edward Burns Shindle
Sister Marlene Fritz
Susan Arnold Thiele
Richard Paul Tozier
Christiane Trinh
Aldona Venclauskas
Carol Janet Ward

Graduate School of German in Germany—August 12, 1969

Jean Marie Baker
Lana Jean Baker
Elizabeth Lundy Baumbach
Malcolm Whitney Bird
Kathleen Anne Bunten
Linda Jean Busch
Dolores Jean Buttry
Barbara Jean Butz
Elaine Marie Chakeres
Martin George Crabtree
Birgit Maria Dissen
Dorothy Anne Dylohoff
Lois Marie Fretz
Cheryl Ann Frey
Susan Jayne Gooding
John Horst Grosshans
Karen Elizabeth Hall
Jane Ruth Helmchen
Ilona Hartman Gonzalez
Leigh Anne Johnson
Barbara Christl Lorensen
Arthur Albert Lovgren
Patricia Jean McKinney
David Alan Miller
Mary Dolores Parimucha
Rosalie Rebecca Parker
Pauline Barbara Patterson
Cynthia Lee Pierson
Beverly Ponedel
Victoria Anne Read
Ursula Ida Maria Schuster
Karen Marlene Seay
Melissa Rae Stebbins
Joann Helen Sydow
Martin Vankley Trapp
Marsha Whipple
Emily Yunka

Italian School—August 12, 1969

Raymond Drury
Louis La Favia
Fiore Antonio Matteis
Francis Prezio
Guido Scalzi

Graduate School of Italian in Italy—August 12, 1969

Mary Bernadette Byrne
Theresa Ann Carpentieri
Natalie Jane Chilton
Albert Dominic Crocetti
Maria Del Pilar Garffer
Barbara Lynne Goshen
Mildred Margaret Hunter
Donna Kanter
Jane Elizabeth Kaufman
Betsy Hope Lichtschein
Kiki Lois Gene Lipson
Salvatore Joseph Lonero
Marlene Therese Palladino
Nicholas Lang Reboli
Michelle Arlene Reiser
Judith Anne Rizzo
Maria P. Rossi
Mary Margaret Rosso
Sister Krista Quinn
Sister Mary Ann Mazzella, R.U.
Marie Spinelli Silvietti

Russian School—August 12,1969

Valentine Daly
Elizabeth Gorky
Xenia Kugajevsky Heaton
Stefan Werbowaty
William John McCombe

Spanish School—August 12, 1969

Timothy Montgomery Ashe
Thomas Dunlop Bond
Lawrence Patrick McGowan
Victor Alejandro Lopez
Susan Sterling Burroughs
Paul Richard Corrigan
Carole Mary Delfonso
Aracelis Delgado
Beverly Delgado
Carmen Maria Diaz
Haydee Diaz
Luis Alfonso Diaz
Robert Anthony Faria
Rosalie Esposito Farley
Consuelo Gracia Garcia
Lilian Teresa Garcia
Juan A. Hernandez-Corujo
Richard Patrick Hogan
Karen Elizabeth Kopper
Gerald Paul Lunderville
Warren William McCurdy
John Wilson McMullan
Ronald Arthur Melgier
Edward Ralph Pashote
Narciso Jose Ribas
Martina Rodriguez
Neri Enriquez Rodriguez
Barbato Rafael Russomagno
Jaime Sendra
Janice Elliott Light
Lucretia Mae Shotzbarger
Sister Angela Marie Ebberwein
Sister Grace Pizzimenti
Sister Mary Aurelia Caroselli
Sister Mary Gertrude Guerrisi, D.M.
Sister Ann Reyes
Christiane Renate Torchia
Roma Mazzarelli Upton
Jean Elizabeth West
Penelope Barley Wolboldt
Robert Keiper Wolf

Graduate School of Spanish in Spain—August 12, 1969

Josefa Esther Abreu Ojeda
Concepcion Elisa Batista-Mendez
Annick Jacqueline Bloyard
Paul Samuel Brown
Richard Mark Brunelle
Diane Bucy
Eve Louise Chambers
Eve Lynne Chrampanis
Susan Hydrick Clements
Margaret Rose Chandler
Teresa Jean Collison
Karen Jean Dahlberg
William Frank Daugherty
Mary Margaret Drewrey
Suzanne de Lima
Cathy Anne Dunn
Georgia Peyton Dutey
John Christopher Eustis
Ramiro S. Fernandez
Francis Gerard Fitzpatrick, II
Donald Newbert Flemming

Suzanne Hill Freeman
Jane Ellen Gentry
Edmondo Michael Gerli
Marcelle Tarilton Gianelloni
Eleanor Ann Gilliam
William Donald Glauber
Lawrence Joseph Godinez
Fred Augustus Gordon
William Henry Green
Linda Mary Grow
Helene Grunwald
Judith Lynne Hanson
Doris Karleen Heim
Franklin Oliver Hine
Dale Noel Hudson
William Cleveland Jordan, Jr.
Marilyn Kiss
Judith Lessow
Maria Cristina Lloyd
Ernest Jackson Lunsford, Jr.
Dolores Marie Mayberry
Jack F. MacDonald
Jeanette McDowell
James Girard Memoli
Denis Francis Mullen
Robert Henderson Murray
Judith Ann Namm
Nancy Ann Newkirk
Kenneth George Norman
Suzanne Elaine Parillo
Barbara Carol Penick
Rosemary Ann Picone
Pauline Badham Pinto
Carole Aris Pope
James Roy Predmore
Laura Anna Reynolds
Benton Emberson Riddle
Patricia Anne Roswell
Juan Sanchez Alejandro
Mary Ellen Margaret Schweitzer
Charles Howard Shaw
Elizabeth Lee Shultz
Norma Lynn Simmons
Gordon Don Smith
Karen Elizabeth Smith
Candace Jane Somerall
Kathryn June Sood
Mollie Chang Spicer
Lawrence James Strickland
Thomas Millard Finley Thompson
Jean Marie Troyke
Joanne Lyn Urban
Susan Kathleen Vetterlein
James George Walker
Rita Jean Wallace
Ellen Watnicki
Ronald Page Wood, Jr.

DOCTOR OF MODERN LANGUAGES

French School—August 12, 1969

Remington Squier Ball
Louis Joseph Parlato
Sister M. Immaculata Kraemer

Spanish School—August 12, 1969

Lucia Svetlana Kegler
Manuel Claudio Lassaletta

February 16, 1970

MASTER OF ARTS

Verna Mae Britton, A.B. (*Pennsylvania State College*) *1935*
Elisabeth Roberts Eaton (Mrs.), A.B. (*Boston University*) *1966*
Evelyn Gartner Fowles (Mrs.), B.A. (*Bucknell University*) *1967*
Carl Howard Hecht, B.A. (*Harpur*) *1962*
Paul Anthony Laurenzo, A.B. (*Providence College*) *1965*

MASTER OF SCIENCE

Richard Booth Riggs, A.B. (*Dartmouth College*) *1968*

BACHELOR OF ARTS

Charles Robert Beall, Jr.
Avery James Caldwell
Timothy Roque Dykman
David Joel Frank
Jeffrey Katz
Florianne Beverly Koechlin
Catherine Allagoa Mwanamwambwa (Mrs.)
David Henry Phillips
Jean Ellen Symonds
Victor Edward Tine
Frank Arnold Williams, Jr.

DEGREE CONFERRED WITH DISTINCTION

MAGNA CUM LAUDE
Jean Ellen Symonds

Appointment to PHI BETA KAPPA
Jean Ellen Symonds

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President and Fellows—The Corporation

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President of the College

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(Calendar year indicates first date of election)

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President and Director, Central Securities Corporation

STEWART ROSS, M.D., F.A.C.S. (1936) — Rutland, Vt.
Secretary of the Corporation
Physician and Surgeon

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Hayden, Stone Incorporated

FRED P. LANG, B.S. (1940) — New York, N.Y.

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Former President, Associated Merchandising Corporation

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Study Counselor, Vassar College

ROBERT DUTTON PROCTOR, A.B., M.F.A. (1955) — Proctor, Vt.
First Vice President and Treasurer, Vermont Marble Company

PARIS FLETCHER, B.S., LL.B., SC.D. (1956) — Worcester, Mass.
Attorney, June, Fletcher & Whipple

RAYMOND J. SAULNIER, PH.D., LL.D. (1958) — New York, N.Y.
Professor of Economics, Columbia University
Former Chairman, President's Council of Economic Advisors

WILLIAM S. YOUNGMAN, A.B., LL.B. (1962) — E. Hebron, N.H.
Director, American Home Assurance Company

ALEXANDER HAMILTON FULTON (1964) — New York, N.Y.

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CHESTER H. CLEMENS, B.S. Vice-President, Loomis, Sayles & Co., Inc.	1966	1971	Boston, Mass.
FREDERICK W. LAPHAM, JR., A.B. President, Prospect Realty, Inc.	1967	1972	Burlington, Vt.
RAYMOND A. ABLONDI, A.B., PH.D. Merchandising Manager, Lincoln-Mercury Division, Ford Motor Company	1968	1973	Bloomfield Hills, Mich.
MARY WILLIAMS BRACKETT (Mrs.), A.B., M.A., PH.D. Academic Dean, Norwalk Community College	1969	1974	Wilton, Conn.

CARROLL RIKERT, JR., A.B., M.B.A., C.P.A. — Middlebury, Vt.
Treasurer and Assistant Secretary of the Corporation

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WALTER H. CLEARY, A.B., LL.B., LL.D., J.S.D. (1941) — Newport, Vt.

ELBERT C. COLE, M.A., PH.D. (1939) — Middlebury, Vt.

LEON S. GAY, PH.B. (1942) — Brandon, Vt.

EGBERT C. HADLEY, A.B., B.S., D.ENG., LL.D. (1936) — Middlebury, Vt.

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L: Douglas Meredith *, President James I. Armstrong *, Stewart Ross, Robert D. Proctor,

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Arnold R. LaForce, L. Douglas Meredith, Raymond J. Saulnier, William S. Youngman, Fred P. Lang, Felix G. Rohatyn, Chester H. Clemens

Auditing

Paris Fletcher, John Kruesi, Frederick W. Lapham, Jr.

Summer Schools

L. Douglas Meredith, Mrs. J. Howard Howson, Jr., Raymond A. Ablondi, Hilton A. Wick, Mrs. Anthony G. L. Brackett

Instruction

L. Douglas Meredith, Carleton H. Simmons, Mrs. J. Howard Howson, Raymond J. Saulnier, Elbert C. Cole (Emeritus)

Buildings and Grounds

L. Douglas Meredith, Robert D. Proctor, Adrian C. Leiby, Raymond A. Ablondi, Hilton A. Wick, Alexander Hamilton Fulton (Alternate), President James I. Armstrong *, Carroll Rikert, Jr. *, Leon S. Gay (Emeritus)

Battell Forest and Park

Stewart Ross, John Kruesi, Alexander Hamilton Fulton, Raymond A. Ablondi, Walter H. Cleary (Emeritus)

Law

Paris Fletcher, William S. Youngman, Adrian C. Leiby, Hilton A. Wick, Walter H. Cleary (Emeritus)

Budget

L. Douglas Meredith *, President James I. Armstrong *, Carroll Rikert, Jr. *, Paris Fletcher, Arnold R. LaForce, Fred P. Lang

Honorary Degrees

Raymond J. Saulnier, Joseph P. Kasper, Carleton H. Simmons, William S. Youngman

New Trustees

William S. Youngman, Carleton H. Simmons, Arnold R. LaForce, Stewart Ross, L. Douglas Meredith, Fred P. Lang

Scholarships and Student Loans

Joseph P. Kasper, Raymond J. Saulnier, Chester H. Clemens, Raymond A. Ablondi

Conference

Raymond J. Saulnier, Mrs. J. Howard Howson, Joseph P. Kasper, Robert D. Proctor, Chester H. Clemens, Hilton A. Wick

Athletics

Stewart Ross, Joseph P. Kasper, Carleton H. Simmons, John Kruesi, Frederick W. Lapham, Jr., Fred P. Lang (Emeritus)

Porter Hospital

Stewart Ross, Frederick W. Lapham, Jr., Chester H. Clemens, President James I. Armstrong *, Carroll Rikert, Jr. *, Walter E. Brooker *, Elbert C. Cole (Emeritus)

Library and Abernethy Collection and Flanders Ballad Collection

Mrs. J. Howard Howson, Adrian C. Leiby, Alexander Hamilton Fulton, Chester H. Clemens, Mrs. Anthony G. L. Brackett

Walker Furlough and Emergency Fund

President James I. Armstrong *, Carroll Rikert, Jr. *, Paul M. Cubeta †

*Ex-Officio
†Member of the Faculty

Academic Administration and Staff (1969-70)

(Calendar year indicates first date of appointment)

James Isbell Armstrong, ph.d., ll.d., l.h.d., litt.d.
President (1963) — 3 South Street

Walter Eric Brooker, a.b.
Vice President and Director of the Development Program (1956) — South Main Street

Paul M. Cubeta, ph.d.
Dean of the Faculty (1967) — 39 Seminary Street

George Dennis O'Brien, ph.d.
Dean of the College (1967) — R.D. 3, Middlebury

Stephen Albert Freeman, ph.d., ll.d., l.h.d., litt.d.
Director of the Language Schools (1946)
Vice President Emeritus (1943) — 24 South Street

Elizabeth Baker Kelly (Mrs.), a.b.
Dean of Women (1946) — 5 College Street

Bruce B. Peterson, ph.d.
Dean of Men (1967) — 40 South Street

Erica B. Wonnacott (Mrs.), a.b., m.a.
Assistant Dean of Women (1968) — 33 Weybridge Street

Dale DeLetis, a.b., m.a.
Assistant Dean of Men (1969)
Director of Student Societies (1969) — Starr Hall

Fred F. Neuberger, a.b.
Director of Admissions (1955) — 36 Gorham Lane

Charles D. Brakeley, a.b.
Assistant Director of Development (1964–67)
Director of Financial Aid (1967) — 5 South Street

Jonathan Aldrich
Assistant to the Director of Admissions (1969) — 30 Washington Street

James Carey, Jr., a.b.
Assistant to the Director of Admissions (1969) — R.D. 3, Middlebury

Linda Rubin Freidin (Mrs.), b.m.
Assistant to the Director of Admissions (1969) — R.D. 2, Bristol

Mary E. MacArthur, a.b.
Assistant to the Director of Admissions (1969) — R.D. 1, Middlebury

MARION ELIZABETH HOLMES, A.B.
Registrar (1937–1969)
Secretary of the Faculty (1969) — 54 High Street

BARBARA ANNA WELLS, A.B., M.A.
Director of Admissions for Women (1952–64)
Executive Secretary to the Challenge Funds (1964–68)
Secretary of the College (1968) — R.D. 3, Middlebury

HELEN HAYSLETTE REIFF (MRS.), A.B.
Registrar (1969) — 20 Gorham Lane

GORDON CONDIT PERINE, A.B.
Director of Alumni Relations and Placement (1951) — 22 South Street

ROTH W. TALL, JR., A.B.
Assistant Director of Alumni Relations and Placement (1968) — Apt. 18, Battell Block

JANET DEAKINS DIAZ (MRS.), A.B.
Assistant Director of Aumni Relations (1965) — R.D. 3, Middlebury

LYNN W. HINMAN, A.B.
Coordinator of Student Activities (1960) — R.D. 3, Middlebury

PATRICIA J. HOKANSON, A.B.
Executive Secretary to the President (1963) — 3 College Street

T. RICHARDSON MINER, JR., A.B., M.A.
Assistant to the President (1969) — R.D. 2, Middlebury

FREEMAN C. ALLEN, A.B.
Assistant to the Dean of the Faculty (1969)
Assistant to the Director of the Bread Loaf School of English
Assistant to the Vice President — 1 Porter Field Road

GREGOR HILEMAN, A.B., B.D.
Assistant Director of Development (1967)
Editor, *News Letter* (1968) — R.D. 2, Middlebury

GEORGE HAMBRE HUBAN, SR., B.S.
Editor, *News Letter* (1946–68)
Editor, Publications (1940) — Washington Street Extension

MAX P. PETERSEN, A.B.
Editor, Information Services (1962) — 50 Shannon Street

EDWARD SOMMERS, A.B.
Assistant Director of Development for Annual Funds (1969) — 72 Court Street

PAUL A. WITTEMAN, A.B.
Assistant Editor, Information Services (1968) — South Street, R.D.

GEORGE F. PARTON, JR., A.B., M.D.
Medical Director (1967) — R.D. 1, Middlebury

Wilton Warner Covey, A.B., M.D. Psychiatric Consultant (1966)	R.D. 2, Middlebury
Margot H. Brown (Mrs.), R.N. Head College Nurse (1969)	Infirmary
Elizabeth Conlin (Mrs.), L.P.N. College Nurse (1969)	Brandon
Mary Frances O'Day (Mrs.), R.N. College Nurse (1969)	Orwell
Phyllis B. Parton (Mrs.), R.N. College Nurse (1969)	R.D. 1, Middlebury
Germaine Belanger (Mrs.) Medical Aid (1969)	Orwell
Caro Delphia (Mrs.) Medical Aid (1969)	Brandon
Barbara Filan (Mrs.) Secretary of the Language Schools (1956)	P.O. Box 384, Middlebury
Fred E. Spencer, Jr. Chief of Security (1969)	R.D. 3, Middlebury
Dale Gates Assistant Security Officer (1967)	East Middlebury
Arnold McKinney Special Assistant to the Dean of the College (1969)	Painter Hall

The Library Staff

John R. McKenna, A.B., B.L.S. Librarian (1964)	6 Chipman Park
Richard Serena, B.S., M.S. Assistant Librarian (1965)	12 Weybridge Street
E. Anne Eberle, B.A., M.L.S. Head Cataloger (1965)	6 Benedict Lane
Thérèse Lambert, B.A., M.L.S. Assistant Cataloger (1969)	7 Court Street
Helen M. Davis, A.B. Assistant Reference Librarian (1961)	Ripton

RALPH W. FRANKLIN, PH.D.
Curator of the Abernethy Library (1968) — 105 South Main Street

HORACE PALMER BECK, PH.D.
Director of the Flanders Ballad Collection (1956) — Ripton

Business Administration and Staff (1969-70)

CARROLL RIKERT, JR., A.B., M.B.A., C.P.A.
Treasurer (1952) — 7 Green Mountain Place

JAMES D. ROSS, A.B., M.B.A.
Business Manager (1956) — R.D. 2, Middlebury

LUTHER VAN UMMERSEN, A.B., C.P.A.
Comptroller (1965) — Painter Hills Road

J. WILBER SMITH
Assistant Comptroller (1926) — R.D., Middlebury

NORMAN D. HADLEY, A.B.
Assistant Comptroller (1965) — 104 South Main Street

RICHMOND G. LITTLEFIELD, B.S., M.B.A., C.P.A.
Assistant Comptroller (1967) — 8 Chipman Park

RALPH EATON, B.S., M.E.
Assistant Comptroller for Personnel (1969) — 1 Murdock Court

THOMAS A. LAFOUNTAIN
Assistant Cashier (1966) — R.D. 3, Brandon

ROBERT S. HUTTENLOCK
Accountant (1967) — R.D. 1, Middlebury

RUTH E. LEONARD (Mrs.)
Secretary to the Treasurer (1957) — 33 Gorham Lane

RALPH O. MYHRE
Golf Course and Snow Bowl Manager (1951) — 18 Gorham Lane

MAXWELL E. EATON, B.S.
Assistant Business Manager (1969) — R.D. 3, Middlebury

HARVEY N. DRINKWINE
Plant Engineer (1956) — Salisbury

GEORGE A. WISHART
Purchasing Agent (1965) — South Street Ext.

HENRY P. CLOOK
Superintendent of Maintenance and Operations (1965) — Brandon

ROBERT D. LINCOLN
Assistant to the Superintendent of Maintenance and Operations (1967) — Middlebury

GORDON C. HOLDEN
Grounds Foreman (1965) — Wallingford

GEORGE E. HAMMOND
College Printer (1954) — Bristol

GORDON B. BRIDGES, JR.
Director of Dining Halls and Dormitory Operations (1955) — 7 Gorham Lane

CARL PEABODY, B.S.
College Store Manager (1962) — East Middlebury

JOSEPH C. DORIA
Assistant to Director of Dining Halls (1965) — South Street Ext.

GEORGE J. COMMINS
Supervisor of Custodial Personnel (1963) — 63 Court Street

LOIS G. THORPE, B.S.
Dietitian (1950) — Willard Hall

BRUCE H. YOUNG
Assistant Manager, College Store (1965) — R.D. 1, Middlebury

The Coaching Staff
(1969-70)

RICHARD W. COLMAN, JR., A.B., M.A.
Director of Athletics (1969) — 13 South Street

JOHN W. ANDERSON, B.S.
Head Coach of Football
Assistant Baseball Coach (1969) — 6 Storrs Avenue

JOHN F. BOWER, A.B., M.ED.
Ski Coach
Cross Country Coach
Assistant Track Coach (1968) — R.D. 1, Middlebury

WENDELL F. FORBES, A.B.
Head Coach of Hockey
Head Coach of Baseball
Assistant Football Coach (1962) — R.D. 3, Middlebury

WILLIAM HESS, A.B., B.S.
Head Coach of Lacrosse
Assistant Football Coach (1969) — 14 Gorham Lane

G. THOMAS LAWSON, B.S.
Head Coach of Soccer
Assistant Basketball Coach (1969) — 70 Court Street

ERKKI W. MACKEY, B.S.
Head Coach of Track
Assistant Football Coach (1956) — 45 Seminary Street

WALTER J. NELSON, B.S.
Golf Coach (1932) — Pulp Mill Bridge Road

GARY D. WALTERS, A.B.
Head Coach of Basketball
Assistant Soccer Coach (1969) — Stewart Hall

RICHARD W. WATERMAN
Athletic Trainer (1956) — Rogers Road

Faculty (1969-70)

JAMES ISBELL ARMSTRONG, A.B., PH.D. AND LL.D., PRINCETON; L.H.D., BATES; LITT.D., GRINNELL
President, and Professor of Classics (1963) — 3 South Street

PAUL MARSDEN CUBETA, A.B., WILLIAMS; PH.D., YALE
Dean of the Faculty (1967)
Professor of English (1952)
Director of the Bread Loaf School of English (1964) — 39 Seminary Street

JOHN W. ANDERSON, B.S., URSINUS
Assistant Professor of Physical Education for Men (1969) — 6 Storrs Avenue

DAVID H. ANDREWS, A.B., OHIO WESLEYAN; M.A., PH.D., CORNELL
Associate Professor of Anthropology (1968) — 35 South Street

JOHN THAYER ANDREWS, A.B., AMHERST; M.A., HARVARD
Professor of Philosophy (1936) — 57 South Street

ROGER WILLIAM ARMSTRONG, B.S., TUFTS; PH.D., RUTGERS
Assistant Professor of Chemistry (1969) — Salisbury

ROBERT L. BAKER, A.B., COLORADO; M.A., PH.D., MICHIGAN
Associate Professor of Russian (1967)
Director of the Russian Summer School (1967) — 51 South Street

BREWSTER BALDWIN, A.B., WILLIAMS; M.A., PH.D., COLUMBIA
Associate Professor of Geology (1958) — R.D. 1, Middlebury
On leave 1969–70

DONALD HENRY BALLOU, A.B., YALE; PH.D., HARVARD
Beman Professor of Mathematics (1942) — 27 Weybridge Street

DAN M. BECHTER, B.S., IOWA STATE; M.A., YALE
Assistant Professor of Economics (1965) — 81 Weybridge Street
On leave 1969–70

HORACE P. BECK, A.B., PH.D.
UNIVERSITY OF PENNSYLVANIA
Associate Professor of American Literature (1956) — P.O. Box 442, Middlebury

GEORGE F. BERNAUER, A.B., M.A.
UNIVERSITY OF WISCONSIN
Instructor in French (1969) — 14 Green Mountain Place

RONALD R. BIELLI, B.S., M.A.
UNIVERSITY OF VERMONT
Associate Professor of Mathematics (1956) — 8 Hillcrest Road

LESLIE COLE BIGELOW, A.B., PH.D., HARVARD
Associate Professor of Philosophy (1952) — 15 Chipman Heights

CLAUDE L. BOURCIER, AGRÉGÉ DE L'UNIVERSITÉ, PARIS
Alumni Professor of French (1937)
Dean of the French Summer School (1947)
Director of the Graduate School of French, Paris (1969) — 11 Adirondack View

JOHN F. BOWER, A.B., MIDDLEBURY; M.ED., SPRINGFIELD COLLEGE
Assistant Professor of Physical Education for Men (1968) — R.D. 1, Middlebury

DAVID A. BUMBECK, B.F.A., RHODE ISLAND SCHOOL OF DESIGN; M.F.A., SYRACUSE
Instructor in Fine Arts (1968) — 18 College Street

FREDERICK C. CABOT, A.B., PH.D., HARVARD
Assistant Professor of English (1966) — 32 Gorham Lane

ANNETTE CARAYON, LICENCE DES LETTRES, C.A.P.E.S.
Instructor in French (1969)
Directress of Le Château (1969) — 7 Weybridge Street, Apt. 3

PHILIP W. CARRUTH, A.B., HAMILTON; M.A., SYRACUSE; PH.D., UNIVERSITY OF ILLINOIS
Professor of Mathematics (1966)
Old Dominion Professor (1969–70) — 1 Adirondack View

SALVATORE J. CASTIGLIONE, A.B., PH.D., YALE
Jean Thomson Fulton Professor of Italian (1966)
Director of the Italian Summer School (1947)
Director of the Graduate School of Italian, Florence, Italy (1969–70) R.D. 2, Middlebury

WILLIAM B. CATTON, A.B., M.A., UNIVERSITY OF MARYLAND; PH.D., NORTHWESTERN
Charles A. Dana Professor of History (1964) R.D. 2, Middlebury

CATHERINE CENTENO (Mrs.), B.S., M.A., MIDDLEBURY
Lecturer in Spanish (1949) 105 South Main Street

DONALD MORRIS CHAFFEE, JR., A.B., MIDDLEBURY
Instructor in Economics (Fall, Winter Terms 1969–70) 81 Weybridge Street

CARLO CHIARENZA, M.A., JOHNS HOPKINS UNIVERSITY
Instructor in Italian (1969) R.D. 2, Middlebury

ALBERT MARION CHURCH, III, A.B., COLORADO COLLEGE
Instructor in Economics (1969) 19 Weybridge Street

SAMUEL D. CIORAN, A.B., MCMASTER; M.A., INDIANA UNIVERSITY; PH.D., UNIVERSITY OF TORONTO
Assistant Professor of Russian (1968) Apt. 1, 7 Weybridge Street

JOHN H. CLAGETT, B.S., U.S. NAVAL ACADEMY; PH.D., YALE
Associate Professor of English (1955) Locust Lane

NICHOLAS R. CLIFFORD, A.B. PRINCETON; M.A., PH.D., HARVARD
Associate Professor of History (1966) R.D. 2, Middlebury

RICHARD W. COLMAN, JR., A.B., WILLIAMS; M.A., NEW YORK UNIVERSITY
Professor of Physical Education for Men (1969)
Director of Athletics (1969) 13 South Street

PETER J. CONEY, A.B., COLBY; M.S., UNIVERSITY OF MAINE; INGÉNIEUR, ÉCOLE NATIONALE SUPÉRIEURE DU PETROLE; PH.D., UNIVERSITY OF NEW MEXICO
Associate Professor of Geology (1964) 38 College Street

JOHN V. CRAVEN, A.B., BOWDOIN; M.A., UNIVERSITY OF COLORADO; PH.D., SYRACUSE
Associate Professor of Economics (1956) 16 Gorham Lane

MAJOR JOHN N. DAILEY, B.S., UNIVERSITY OF NEW HAMPSHIRE
Assistant Professor of Military Science (1969) R.D. 3, Cady Road

DALE DELETIS, A.B., CATHOLIC UNIVERSITY; M.A., STANFORD
Lecturer in English (1967) Starr Hall

PAUL DIETRICHSON, A.B., UNIVERSITY OF GEORGIA; M.A., PH.D., YALE
Visiting Charles A. Dana Professor of Philosophy (1969–70) 54 North Pleasant Street

JACQUELYNE L. DORMAN, B.S., DOUGLASS; M.S., UNIVERSITY OF MASSACHUSETTS
Instructor in Physical Education for Women (1968) — R.D. 3, College Farm Road

BEVERLEY ROSE DRIVER, A.B., COLLEGE OF WOOSTER; M.A., INDIANA UNIVERSITY
Instructor in German (1969) — 85 Weybridge Street

MURRAY P. DRY, A.B., M.A., UNIVERSITY OF CHICAGO
Instructor in Political Science (1968) — 2 Adirondack View

ALBERT HUNTER EWELL, JR., A.B., HAVERFORD; PH.D., NEW YORK UNIVERSITY
Professor of Psychology (1952)
Old Dominion Professor (1969–70) — 28 Weybridge Street

EMORY M. FANNING, B.M., OBERLIN; M.M., ILLINOIS; MUS. A.D., BOSTON UNIVERSITY
Assistant Professor of Music (1967) — R.D. 2, Middlebury

ROBERT L. FERM, A.B., COLLEGE OF WOOSTER; B.D., M.A., PH.D., YALE
Professor of Religion (1969) — 3 Storrs Avenue, Apt. 1

DAVID W. FOLGER, A.B., DARTMOUTH; M.A., PH.D., COLUMBIA
Assistant Professor of Geology (1969) — 3 Weybridge Street

ROGER W. FONTAINE, A.B., VALPARAISO UNIVERSITY; M.A., PH.D., JOHNS HOPKINS
Assistant Professor of Political Science (1969) — R.D. 1, Apt. 1, Harris Farm

WENDELL F. FORBES, A.B., MIDDLEBURY
Assistant Professor of Physical Education for Men (1962) — R.D. 3, Halladay Road

RALPH W. FRANKLIN, A.B., UNIVERSITY OF PUGET SOUND
M.A., PH.D., NORTHWESTERN UNIVERSITY; M.A., UNIVERSITY OF CHICAGO
Curator of the Abernethy Library (1968)
Assistant Professor of American Literature (1968) — 105 South Main Street

JOHN S. FREIDIN, A.B., COLUMBIA; M.A., YALE
Director of Teacher Education and Instructor in History (1968) — R.D. 2, Bristol

ROBERT WILLARD GLEASON, A.B., MIDDLEBURY; PH.D., M.I.T.
Associate Professor of Chemistry (1960) — 31 Weybridge Street

MADELON S. GOHLKE (Mrs.), A.B., BRYN MAWR; M.A., YALE
Instructor in English (1968) — R.D. 2, Middlebury

ROBERT K. GOULD, B.S., UNIVERSITY OF MAINE; M.S., PH.D., BROWN
Associate Professor of Physics (1968) — 118 South Main Street

MICHAEL S. GREENWOOD, A.B., BROWN; M.F., M.S., PH.D., YALE
Assistant Professor of Biology (1968) 43½ South Street

BRUCE THEODORE GRINDAL, A.B., NORTHWESTERN; PH.D., INDIANA UNIVERSITY
Assistant Professor of Anthropology (1969) 3 Storrs Avenue, Apt. 4

FAITH GULICK, A.B., CONNECTICUT; M.A., MILLS
Assistant Professor of Physical Education (1967) 3 College Street

RUDOLF K. HAERLE, JR., A.B., DARTMOUTH; M.A., PH.D., UNIVERSITY OF CHICAGO
Associate Professor of Sociology (1962–66, 1967) 41 Gorham Lane

GRANT H. HARNEST, A.B., KNOX; PH.D., UNIVERSITY OF VIRGINIA
John G. McCullough Professor of Chemistry (1943) 125 South Main Street
On leave 1969–70

WILLIAM HARRIS, A.B., PH.D., HARVARD
Associate Professor of Classics (1956) R.D. 1, Seymour Street

LT. COL. JAMES C. HEFTI, A.B., ST. LAWRENCE
Professor of Military Science (1968) 37 Chipman Park

URSULA MARGARETE HEIBGES, A.B., CATHOLIC UNIVERSITY OF AMERICA; M.A., COLUMBIA; PH.D., BRYN MAWR
Associate Professor of Classics (1961) 10½ Weybridge Street

WILLIAM E. HESS, A.B., B.S., PENNSYLVANIA STATE UNIVERSITY
Instructor in Physical Education for Men (1969) 14 Gorham Lane

THOMAS H. HIBBARD, A.B., POMONA; PH.D., CLAREMONT
Assistant Professor of Economics (1966) 45 South Street

ROBERT WEBBER HILL, JR., A.B., M.A., PH.D., HARVARD
Assistant Professor of English (1966) 135 South Main Street
On leave Fall, Winter Terms 1969–70

CHARLES LEONARD HOAG, A.B., ALBION; M.A., MICHIGAN; PH.D., CLARK
Alumni Professor of Political Science (1947) 89 Weybridge Street

PHILIP K. HOOPER, A.B., HAMILTON; M.A., PH.D., HARVARD
Assistant Professor of Mathematics (1966) 3 College Street

THOMAS HUBER, M.A., UNIVERSITY OF VERMONT; M.A., PH.D., PRINCETON
Assistant Professor of German (1966)
Director of the Graduate School of German, Mainz (1969–70) 85 Weybridge Street

J. ROWLAND ILLICK, A.B., SYRACUSE; PH.D., HARVARD
Professor of Geography (1946) 16 Springside Road
On leave 1969–71

TRAVIS BEAL JACOBS, A.B., PRINCETON; M.A., COLUMBIA
Instructor in History (1965) — 3 College Street

ELIZABETH B. KELLY (Mrs.), A.B., MOUNT HOLYOKE
Dean of Women (1946) — 5 College Street

JOHN J. KELLY, A.B., M.A., MIDDLEBURY
Professor of Physical Education for Men (1936) — 5 College Street

ROBERT EUGENE KELSEY, A.B., YALE
Lecturer in Spanish (1969) — Washington Street

WILLIAM W. KERRIGAN, A.B., STANFORD; M.A., COLUMBIA
Instructor in English (1968) — R.D. 2, Middlebury

ARTHUR J. KNOLL, A.B., BATES; M.A., NEW YORK UNIVERSITY; PH.D., YALE
Assistant Professor of History (1966) — 19 Chipman Park

EDWARD C. KNOX, A.B., WESLEYAN; PH.D., YALE
Assistant Professor of French (1969) — 43 South Street

MAJOR HERBERT E. KOENIGSBAUER, JR., A.B., BOWDOIN
Assistant Professor of Military Science (1967) (Fall Term 1969) — R.D. 1, Middlebury

JEFFREY G. KURTZMAN, B.M., UNIVERSITY OF COLORADO; M.M., UNIVERSITY OF ILLINOIS
Instructor in Music (1969) — Pulp Mill Bridge Road

MARJORIE E. LAMBERTI, A.B., SMITH; M.A., PH.D., YALE
Assistant Professor of History (1964) — 3 Storrs Avenue, Apt. 3

ROGER LAURENT, LICENCE ES SC. GEOLOGIQUES ET MINERALOGIQUES; DIPLOMA D'INGENIEUR, GENEVA; PH.D., GENEVA
Assistant Professor of Geology (1967) — 44 Shannon Street

G. THOMAS LAWSON, B.S., SPRINGFIELD COLLEGE
Instructor in Physical Education (1969) — 70 Court Street

DAVID B. LEDLIE, A.B., MIDDLEBURY; PH.D., M.I.T.
Assistant Professor of Chemistry (1967) — 7 Weybridge Street

RUSSELL J. LENG, A.B., MIDDLEBURY; PH.D., AMERICAN UNIVERSITY
Assistant Professor of Political Science (1966) — R.D. 2, Middlebury
On leave Winter, Spring Terms 1969–70

MARY E. LICK, A.B., LAKE ERIE; M.S., SMITH
Associate Professor of Physical Education for Women (1956)
On leave Winter, Spring Terms 1969–70 — R.D. 3, Washington Street Extension

DAVID J. LITTLEFIELD, A.B., SPRING HILL; M.A., PH.D., YALE
Professor of English (1953–56, 1959)
Old Dominion Professor (1969–70) — Charlotte

ERKKI W. MACKEY, B.S., SPRINGFIELD
Assistant Professor of Physical Education for Men (1956) — 45 Seminary Street

VINCENT HERSCHEL MALMSTRÖM, A.B., PH.D., UNIVERSITY OF MICHIGAN
Professor of Geography (1956–57, 1958) — R.D. 3, Middlebury

JAMES R. MARSHALL, B.S., NEW MEXICO STATE UNIVERSITY
Instructor in Geography (1969) — 16 Springside Road

EDWARD ALEXANDER MARTIN, A.B., PRINCETON; M.A., PH.D., COLUMBIA
Associate Professor of English (1961)
Assistant Director of the Bread Loaf Writers' Conference (1964) — 33 Seminary Street
On leave Winter, Spring Terms 1969–70

MAJOR WILLIAM MCDOWELL MATZ, JR., A.B., GETTYSBURG COLLEGE
Assistant Professor of Military Science (1968) — R.D. 3, Middlebury

DUNCAN J. MCDONALD, B.S., MCGILL; M.A., HARVARD
Professor of Biology (1967) — East Middlebury

JOHN REDMOND MCKENNA, A.B., QUEENS; B.L.S., MCGILL
Librarian (1964) — 6 Chipman Park

LOCKWOOD MERRIMAN, A.B., HARVARD; M.A., COLUMBIA
Associate Professor (1947)
College Archivist (1965)
On leave 1969–70

GEORGE R. MOTOLANEZ, A.B., PH.D., NEW YORK UNIVERSITY; M.A., MCMASTER
Assistant Professor of Russian (1968) — 5 Storrs Avenue

WALTER A. MOYER, JR., B.S., PHILADELPHIA COLLEGE OF PHARMACY; PH.D., UNIVERSITY OF DELAWARE
Professor of Chemistry (1951) — 9 Adirondack View

ROBERT B. MUIRHEAD, III, B.F.A., RHODE ISLAND SCHOOL OF DESIGN; M.F.A., BOSTON UNIVERSITY
Assistant Professor of Fine Arts (1964) — 4 Hillcrest Road

HOWARD MCCOY MUNFORD, B.S., MIDDLEBURY; PH.D., HARVARD
Julian W. Abernethy Professor of American Literature (1941)
Old Dominion Professor (1969–70) — 41 South Street

CRAIG C. MURRAY, A.B., STANFORD; M.A., COLUMBIA
Instructor in History (1967) — East Middlebury

PAUL E. NELSON, A.B., AUGUSTANA; M.A., UNIVERSITY OF CHICAGO
Assistant Professor of Political Science (1963) — 105 South Main Street

RALPH D. NELSON, JR., A.B., COLBY; PH.D., PRINCETON
Assistant Professor of Chemistry (1965) — 19 Gorham Lane

WALTER J. NELSON, B.S., MIDDLEBURY
Professor of Physical Education for Men (1932–36, 1946) — Pulp Mill Bridge Road
On leave 1969–70

FRED F. NEUBERGER, A.B., MIDDLEBURY
Director of Admissions (1955) — 36 Gorham Lane

VICTOR LAWRENCE NUOVO, A.B., HOPE; B.D., NEW BRUNSWICK THEOLOGICAL SEMINARY; PH.D., COLUMBIA
Associate Professor of Religion (1962) — 66 Shannon Street

GEORGE DENNIS O'BRIEN, A.B., YALE; PH.D., UNIVERSITY OF CHICAGO
Associate Professor of Philosophy (1965)
Dean of the College (1967) — R.D. 3, Halladay Road

ROBERT PACK, A.B., DARTMOUTH; M.A., COLUMBIA
Associate Professor of English (1964) — R.D. 2, Middlebury

BARTON A. PARKS, JR., A.B., RICE; M.A., STATE UNIVERSITY OF NEW YORK AT BUFFALO
Instructor in Sociology (1968) — 8 Seminary Street

ROGER M. PEEL, A.B., UNIVERSITY OF MANCHESTER, ENGLAND; PH.D., YALE
Associate Professor of Spanish (1969) — 6 Hillcrest Road

LOUIS J. PELLEGRINO, A.B., COLGATE; M.A., PH.D., MCGILL
Assistant Professor of Psychology (1969) — 46 Shannon Street

JAMES C. PENLEY, A.B., POMONA; M.A., BRANDEIS; PH.D., NOTRE DAME
Assistant Professor of Physics (1968) — R.D. 2, Middlebury

BRUCE BIGELOW PETERSON, A.B., MIDDLEBURY; PH.D., SYRACUSE
Associate Professor of Mathematics (1962)
Dean of Men (1967) — 40 South Street

CAPT. PAUL A. PIETRZAK, A.B., CANISIUS COLLEGE
Assistant Professor of Military Science (1969) — R.D. 1, Pulp Mill Bridge Road

JUDITH TURNER POLEFKA (Mrs.), A.B., RADCLIFFE; PH.D., STANFORD
Assistant Professor of Psychology (1968) — Apt. 1, 77 Main Street

EDWIN L. POOL, B.S., PH.D., IOWA STATE
Associate Professor of Chemistry (1954) — R.D. 3, Rogers Road

CHANDLER ARMSTRONG POTTER, A.B., AMHERST; M.F.A., YALE
Associate Professor of Drama and Designer for the Theatre (1956)
Acting Director at the Theatre (1969–70) — 20 Springside Road

HENRY BEALL PRICKITT, A.B., AMHERST; PH.D., HARVARD
Professor of English (1948) — Blinn Lane

DAVID LANGDON PROUTY, A.B., COLGATE; PH.D., TULANE
Associate Professor of Psychology (1959) — East Middlebury

CYRIAC K. PULLAPILLY, A.B., ST. THOMAS (INDIA); M.A., DEPAUL; PH.D., UNIVERSITY OF CHICAGO
Assistant Professor of Religion (1967) — 2 Chipman Heights

ROBERT F. REIFF, A.B., UNIVERSITY OF ROCHESTER; PH.D., COLUMBIA
Professor of Fine Arts (1958) — 20 Gorham Lane

E. KIRK ROBERTS, A.B., EARLHAM; PH.D., HARVARD
Professor of Chemistry (1952)
On leave 1969–70 — 46 High Street

EUGENE SAPADIN, A.B., MIDDLEBURY; M.A., HARVARD; PH.D., CLAREMONT
Assistant Professor of Philosophy (1965–66 2nd Sem., 1967) — Gifford Hall

GEORGE B. SAUL, II, A.B., M.A., PH.D., UNIVERSITY OF PENNYSLVANIA
Irene Heinz and John LaPorte Given Professor in Pre-Medical Sciences (1967)
Professor of Biology (1967)
Old Dominion Professor (1969–70) — R.D. 3, Munger Street

CHARLES W. J. SCAIFE, A.B., PH.D., CORNELL
Assistant Professor of Chemistry (1967) — 126 South Main Street

CHARLES POWELL SCOTT, A.B., OHIO STATE; B.D., PRINCETON THEOLOGICAL SEMINARY
Chaplain and Professor of Religion (1951) — 95 Main Street

WILLIAM LESLIE SHARP, A.B., M.A., UNIVERSITY OF CHICAGO; PH.D., STANFORD
Visiting Professor of Drama (1969) — 46 High Street

ROBERT A. SIMKO, A.B., M.A., RUTGERS; PH.D., INDIANA UNIVERSITY
Assistant Professor of Geography (1968) — 4 Storrs Avenue

DAVID K. SMITH, A.B., MIDDLEBURY; PH.D., HARVARD
Alumni Professor of Economics (1950) — 19 Chipman Heights

KIMBERLY SPARKS, A.B., PH.D., PRINCETON
Charles A. Dana Professor of German (1966) — R.D. 2, Middlebury

MAJOR LARRY LYNN SPOHN, SR., B.S.,
UNITED STATES MILITARY ACADEMY
Assistant Professor of Military Science (1968) — 10 Murdock Court

PETER A. STITT, A.B., M.A., UNIVERSITY OF MINNESOTA
Instructor in American Literature (1969) — 34 South Street

BART F. TEUSH, A.B., SWARTHMORE; D.F.A., YALE
Instructor in English (1967) — R.D. 2, Middlebury

O. ALLEN THIHER, A.B., UNIVERSITY OF TEXAS; M.A., PH.D.,
UNIVERSITY OF WISCONSIN
Assistant Professor of French (1969) — 119 South Main Street

HARRIS E. THURBER, A.B., UNIVERSITY OF VERMONT;
PH.D., PRINCETON
Professor of Political Science (1947–49, 1951) — 14 Elm Street

PARDON E. TILLINGHAST, A.B., BROWN; PH.D., HARVARD
Professor of History (1947)
On leave Winter, Spring Terms 1969–70 — 6 Adirondack View

GEORGE B. TODD, A.B., AMHERST; M.B.A., STANFORD;
M.F.A., PRINCETON
Assistant Professor of Music (1965) — R.D. 3, Halladay Road

JOAN L. TOWNE, B.S., SKIDMORE; M.S., SMITH
Associate Professor of Physical Education for Women (1960) — R.D. 3, Halladay Road

A. RICHARD TURNER, A.B., M.F.A., PH.D., PRINCETON
Charles A. Dana Professor of Fine Arts (1968) — R.D. 1, Middlebury

VAN HORN VAIL, A.B., UNIVERSITY OF WASHINGTON;
M.A., PH.D., PRINCETON
Associate Professor of German (1966) — R.D. 2, Middlebury

DAVID B. VAN VLECK, A.B., PRINCETON; M.S., PH.D., CORNELL
Associate Professor of Biology (1968) — R.D. 1, Middlebury

ANNE B. VOGT, B.S., SKIDMORE
Instructor in Physical Education for Women (Winter, Spring Terms 1970) — 1 Locust Lane

ERIE T. VOLKERT, A.B., LAWRENCE; M.A., NORTHWESTERN
Professor of Drama and Director of the Theatre (1941) — 54 North Pleasant Street
On leave 1969–70

GARY D. WALTERS, A.B., PRINCETON
Instructor in Physical Education for Men (1969) — Stewart Hall

JAMES MAYER WATKINS, A.B., PENNSYLVANIA STATE;
M.A., MIDDLEBURY; C.A.E.F.E., PARIS
Associate Professor of French and
Director of the Language Laboratory (1958) — Pulp Mill Bridge Road

W. Garry Watson, A.B., University of Sussex, England
Visiting Lecturer in English (1969) — 40 College Street

Christopher D. Watters, B.S., Notre Dame; M.A., Ph.D., Princeton
Assistant Professor of Biology (1968) — 5 Green Mountain Place

John T. Wenders, A.B., Amherst; M.A., University of Hawaii; M.A., Ph.D., Northwestern
Assistant Professor of Economics (1963) — 33 Chipman Park
On leave Fall, Winter terms 1969–70

P. Frank Winkler, B.S., California Institute of Technology; M.A., Harvard
Instructor in Physics (1969) — 20 South Pleasant Street

Benjamin Franklin Wissler, B.S., Muhlenberg; M.A., Columbia; D.Sc., Muhlenberg
Alumni Professor of Physics (1930) — 23 Weybridge Street

Klaus Heinrich Wolff, A.B., Wabash; Ph.D., University of Chicago
Associate Professor of Economics (1956) — Locust Lane

Howard Eugene Woodin, B.S., M.S., Union; Ph.D., Purdue
Professor of Biology (1953) — R.D. 3, Middlebury

Nora Scott Wright, A.B., M.A., Middlebury
Instructor in Spanish (1967) — Allen House

Assistants and Associates in Instruction

Alexandra Baker (Mrs.), A.B., Hunter; M.A., Indiana University
Associate in Russian (1967) — 51 South Street

Wayne Harrell Bell, B.S., University of Miami; M.A., Harvard
Associate in Biology (1969) — 39½ Seminary Street

Elizabeth K. Cabot (Mrs.), A.B., Wellesley; Ed.M., Harvard
Assistant in English (Spring Term 1970) — 32 Gorham Lane

J. Dean Clewley, A.B., Middlebury; M.S., University of Vermont
Assistant in Physics (1969) — 15 DeForest Road, Burlington

William A. Fregosi, B.F.A., Boston University; M.F.A., Brandeis
Associate in Theatre (1969)
Technical Director of The Theatre (1969–70) — 77 Main Street, Apt. 2

Betsy H. Gleason (Mrs.), A.B., Middlebury
Assistant in Teacher Education (1963) — 31 Weybridge Street

Noëlle Marie-Catherine Guilloton
Assistant in French (1969)
Assistant Directress of Le Château (1969) — Le Château

Barbara D. Kerrigan (Mrs.), A.B., Wheaton College; M.A., Columbia
Assistant in English (1968) (Fall Term 1969) — R.D. 2, Middlebury

Huguette Laure Knox (Mrs.), licence ès-lettres
Associate in French (1969) — 43 South Street

Katharine A. McGlynn, B.S., Skidmore; M.Ed., University of Vermont
Assistant in Teacher Education (1967) — R.D. 3, Halladay Road

Emily L. Peel (Mrs.), A.B., Emmanuel College
Assistant in Spanish (1969) (Fall Term 1969) — 6 Hillcrest Road

Faith N. Sholes (Mrs.), B.A., M.S., Washington University
Assistant in Teacher Education (1968) (Spring Term 1970) — 10 Adirondack View

Eva-Marie Streier
Assistant in German (1969) — Allen Hall

Monika Sutter
Assistant in German (1966) — 85 Weybridge Street

Carol Armstrong Tall (Mrs.), A.B., Bryn Mawr
Assistant in Fine Arts (1969) — Apt. 18, Battell Block

Roberta Joyce Thiher (Mrs.), A.B., Oakland University; M.A., University of Wisconsin
Associate in French (1969) — 119 South Main Street

Betsy K. Thurber (Mrs.), A.B., University of Vermont
Assistant in Teacher Education (1963) — 14 Elm Street

Denise Watkins (Mrs.), baccalauréate-es-lettres, Caen
Associate in French (1961) — Pulp Mill Bridge Road

Emeriti

John Gerald Bowker, Ed.M., L.H.D.
Baldwin Professor Emeritus of Mathematics (1926)
Dean Emeritus of the Faculty (1953) — Middlebury

Douglas Stowe Beers, Ph.D.
Hudson Professor Emeritus of English (1925) — Middlebury

Léa Zoé Binand, brevet supérieur
Assistant Professor Emerita of French (1929) — France

Arthur Milton Brown, A.B.
Professor Emeritus of Physical Education (1918) — Sarasota, Florida

ALAN CARTER, MUS. D.
Professor Emeritus of Music (1939) — Middlebury

REGINALD L. COOK, A.B., M.A., LITT.D.;
A.B., OXFORD
Professor Emeritus of American Literature (1929) — Middlebury

MISCHA HARRY FAYER, PH.D., L.H.D.
Professor Emeritus of Russian (1943) — Lexington, Kentucky

STEPHEN ALBERT FREEMAN, PH.D., LL.D., L.H.D., LITT.D.
Professor Emeritus of French (1925)
Vice President Emeritus (1943) — Middlebury

BURT ALDEN HAZELTINE, M.A.
Professor Emeritus of Mathematics (1924) — St. Petersburg, Florida

ARTHUR KELLY DAVID HEALY, A.B., M.F.A.
Professor Emeritus of Fine Arts (1943) — Middlebury

HAROLD BRADFORD HITCHCOCK, A.B., PH.D.
Mead Professor Emeritus of Biology (1943) — Lewiston, Maine

ROBERT DUGALD HOPE, LL.B.
Assistant Treasurer of the Corporation, Emeritus (1914) — Middlebury

LAILA ADELAIDE MCNEIL, A.B.
Librarian Emerita (1913) — St. Johnsbury

WERNER NEUSE, PH.D., L.H.D.
Professor Emeritus of German (1932) — New Brunswick, New Jersey

PERLEY CHESMAN PERKINS, A.B., M.A.
Professor Emeritus of English (1923) — Middlebury

JAMES STUART PRENTICE, M.A.
Professor Emeritus of Economics (1931) — Carlisle, Pennsylvania

BRUNO MORITZ SCHMIDT, M.A.
Professor Emeritus of Geology (1925) — Middlebury

RUSSELL GEORGE SHOLES, M.A.
Professor Emeritus of Sociology (1927) — Middlebury

PHELPS NASH SWETT, B.S., M.A.
Professor Emeritus of Geography & Drafting (1909) — Middlebury

RUTH WOOD TEMPLE, A.B.
Assistant Dean Emerita of Women (1922) — Rutland

VIOLA CHITTENDEN WHITE, PH.D.
Curator Emerita of Abernethy Library (1933) — Middlebury

Calendar for 1971-72

(Tentative)

1971

SEPTEMBER

8—Wednesday, Freshman Week begins
13—Monday, Fall Term classes begin (8 a.m.)

OCTOBER

9—Saturday, Alumni Homecoming Day (College in session)
16—Saturday, Parents' Weekend (College in session)

NOVEMBER

20—Saturday, Thanksgiving Recess begins (12 noon)
29—Monday, Classes resume (8 a.m.)

DECEMBER

11—Saturday, Fall Term classes end (12 noon)
13—Monday, Final Examinations begin
17—Friday, Final Examinations end, Christmas Recess begins

1972

JANUARY

5—Wednesday, Winter Term begins (8 a.m.)

FEBRUARY

5—Saturday, Winter Term ends (5 p.m.) and Winter Recess begins
14—Monday, Spring Term classes begin (8 a.m.)
24—Thursday, Winter Carnival Recess begins (5 p.m.)
28—Monday, Classes resume (8 a.m.)

APRIL

1—Saturday, Spring Recess begins (12 noon)
10—Monday, Classes resume (8 a.m.)

MAY

17—Wednesday, Classes end (5 p.m.)
19—Friday, Final Examinations begin
24—Wednesday, Final Examinations end
28—Sunday, Baccalaureate
29—Monday, Commencement

1971-72

SEPTEMBER

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OCTOBER

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NOVEMBER

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DECEMBER

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FEBRUARY

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1972

MARCH

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APRIL

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MAY

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JUNE

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JULY

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AUGUST

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Calendar for 1970-71

1970

SEPTEMBER

9—Wednesday, Freshman Week begins
14—Monday, Fall Term classes begin (8 a.m.)

OCTOBER

3—Saturday, Alumni Homecoming Day (College in session)
24—Saturday, Parents' Weekend (College in session)

NOVEMBER

21—Saturday, Thanksgiving Recess begins (12 noon)
30—Monday, Classes resume (8 a.m.)

DECEMBER

12—Saturday, Fall Term classes end (12 noon)
14—Monday, Final Examinations begin
18—Friday, Final Examinations end, Christmas Recess begins

1971

JANUARY

6—Wednesday, Winter Term begins (8 a.m.)

FEBRUARY

6—Saturday, Winter Term ends (5 p.m.) and Winter Recess begins
15—Monday, Spring Term classes begin (8 a.m.)
25—Thursday, Winter Carnival Recess begins (5 p.m.)

MARCH

1—Monday, Classes resume (8 a.m.)

APRIL

3—Saturday, Spring Recess begins (12 noon)
13—Tuesday, Classes resume (8 a.m.)

MAY

19—Wednesday, Spring Term Classes end (5 p.m.)
21—Friday, Final Examinations begin
26—Wednesday, Final Examinations end
30—Sunday, Baccalaureate
31—Monday, Commencement

1970-71

SEPTEMBER

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	..	..	..

OCTOBER

S	M	T	W	T	F	S
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11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

NOVEMBER

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DECEMBER

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27	28	29	30	31	..	..

JANUARY

S	M	T	W	T	F	S
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17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

FEBRUARY

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28	..	..	..	..	..	..

1971

MARCH

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21	22	23	24	25	26	27
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APRIL

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18	19	20	21	22	23	24
25	26	27	28	29	30	..

MAY

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23	24	25	26	27	28	29
30	31	..	..	..	..	..

JUNE

S	M	T	W	T	F	S
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13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	..	..	..

JULY

S	M	T	W	T	F	S
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
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AUGUST

S	M	T	W	T	F	S
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..